

GB

KERN®

BALANCES & TEST SERVICE

for laboratory, industry and food industry

2017

PROFESSIONAL
MEASURING



How do I quickly find the product I am looking for?

The tried and tested quick search system – “Quick-Finder” ahead of each product group allows you to base the search for a certain target group on weighing data you need such as readout, weighing range and main features for each model.

And it's as simple as that – find the product you want in 2 steps:

1. Go to the product group index on page 3
2. Pick the appropriate product group and find the product you want using the Quick-Finder.

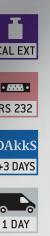
... or use the model name and find the product quickly and efficiently using the A-Z model list:

Quick-Finder

Read-out [d]	Weighing range [Max]	Weighing plate WxD mm	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	PLS	TOL
0,02 g	6 kg	340x240	KERN FKB 6K0.02	520,-	51	1	●	●	●	●	●	●
0,02 g	6 kg	340x240	KERN FKB 6K0.02L	890,-	52	1	●	●	●	●	●	●
0,05 g	6 kg	294x225	GAB 6K0.05N	300,-	50	1	●	●	●	●	●	●
0,05 g	8 kg	340x240	FKB 8K0.05	480,-	51	1	●	●	●	●	●	●
0,05 g	16 kg	340x240	FKB 16K0.05	580,-	51	1	●	●	●	●	●	●
0,05 g	16 kg	340x240	FKB 16K0.05L	890,-	52	1	●	●	●	●	●	●
0,1 g	12 kg	294x225	FKB 12K0.1N	300,-	50	1	●	●	●	●	●	●
0,1 g	16 kg	340x240	FKB 16K0.1	480,-	51	1	●	●	●	●	●	●
0,1 g	3000 g	253x229	FCB 3K0.1	220,-	48	1	●	●	●	●	●	●
0,1 g	3000 g	253x228	FCF 3K-4	195,-	47	1	●	●	●	●	●	●
0,1 g	36 kg	340x240	FKT 36K0.1L	890,-	52	1	●	●	●	●	●	●
0,1 g	36 kg	340x240	FKB 36K0.1	550,-	51	1	●	●	●	●	●	●
0,1 g	8 kg	252x224	FCB 8K0.1	240,-	48	1	●	●	●	●	●	●
0,1 g	8 kg	340x240	FKB 8K0.1A	300,-	49	1	●	●	●	●	●	●
0,1 g	8 kg	340x240	FKB 8K0.1M	560,-	51	1	●	●	●	●	●	●
0,2 g	6 kg	300x225	GAT 6K-4	1150,-	54	1	●	●	●	●	●	●
0,2 g	30 kg	294x225	GAB 30K0.2N	300,-	50	1	●	●	●	●	●	●
0,2 g	36 kg	340x240	FKB 36K0.2	510,-	51	1	●	●	●	●	●	●
0,2 g	65 kg	340x240	FKB 65K0.2	550,-	51	1	●	●	●	●	●	●
0,2 g	65 kg	340x240	FKT 65K0.2L	890,-	52	1	●	●	●	●	●	●
0,5 g	15 kg	300x225	GAT 10K-4	1150,-	54	1	●	●	●	●	●	●
0,5 g	15 kg	340x240	FKB 15K0.5A	290,-	49	1	●	●	●	●	●	●
0,5 g	30 kg	340x240	FKT 30K0.5L	790,-	52	1	●	●	●	●	●	●
0,5 g	6 kg	252x228	FCB 6K0.5	195,-	48	1	●	●	●	●	●	●
0,5 g	6 kg	340x220	FKR 6K50.5	510,-	51	1	●	●	●	●	●	●

KERN Models A – Z

440	18	FCF	47	M												
572/573	23	FFN-N/FFN-NM	61	MLS-D	42											
A																
ABJ-NM/ABS-N	34	FKA	77	N												
ABT-NM	36	FKB-A	49	NBB	127											
ADB	32	FKB/FKB-M	51	NFB	126											
AEJ-CM/AES-C	35	FKC	78	NFN	128											
AET	37	FKT	52/53	P												
ALJ-A/ALS-A	33	FKTF	158	PBJ/PBS	28											
B																
BAN	118	FOB-S/FOB-NS	58	PCB	17											
BFA	115	FOB/FOB-N	59	PCD	16											
BFB	114	FXN-N	62	PEJ/PES	29											
BNF	119	G														
BFS	117	GAB-N	50	PET	30											
BIC	113	GAT	54/55	PFB	19											
BKN	120/121	HCB/HCN	150	PLE-N	20											
BXS	116	HDB-N	149	PLJ-C/PLJ-G	26											
C																
CH	149	HFA	151	PLJ/PLS	24											
CCP	81	HFB	153	PNJ/PNS	25											
CCS	79/80	HFC	152	R												
CCT	82	HFM/HFO	154	RIB	66											
CDS	76	HFT	156	RPB	67											
CFS	73	HTS	155	S												
CKE	74	IEX	160	SFB/SFB-HM	63											
CM/CM-C	7	IFB	98	SFE	100											
CPB	72	IFS	75	SXS	64											
CXB/CXB-N	71	IFT	106/107	T												
D																
DAB	39	IKT	104/105	TAB/TCB/TEE	7											
DBS	40	ILJ-C/ILS-C	109	U												
DE	94/95	ILT	108	UFA	122											
DLB	41	IXS	102/103	UFB	123											
DS/DS-M	99	K														
E																
ECB-N/ECE-N	45	KB-N/KB-NM	21	VFB	144											
EG-N/EW-N	27	KFA V20	140	VHB	145											
EMB	13	KFB-TM	135	VHE-A	143											
EMB-S	12	KFD V20	139	VHP	130/131											
EMB-V	14	KFD V40	141	W												
EMS	15	KFE-TM	137	WTB-N/WTB-NM	60											
EOA	88	KFN-TM	137	Y												
EOB/EOS	92	KFP V20 IP65	138	YRO-01/-02/-03	87											
EOB-2017/EOS-2017	90	KFP V20 IP67	139	YKU-01	138											
EOB-F/EOS-F	93	KFP V30	140													
EOC	96/97	KFP V40	141													
EOE	91	KFS-TM	135													
EOE-2017	89	KFT-TM	136													
EWJ	22	KFU V20	140													
F																
FCB	48	KFU V30	140													
FCE-N	46	KKP-V40	141													
KIB-TM	135	KXG-TM	136													
KXP V20 IP65	139	KXS-TM	137													



KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Rechargeable battery pack: Rechargeable set.
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Universal mains adapter: with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
 Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard. For details see page 199	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 Percentage determination: Determining the deviation in % from the target value (100 %).	 Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details.	 Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision.
 Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning	 Verification possible: The time required for verification is specified in the pictogram.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see page 56.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Interface for second balance: For direct connection of a second balance.	 ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter. See page 166	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.	 Suspended weighing: Load support with hook on the underside of the balance.	
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories", see page 163.		



Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.

Medical scales catalogue

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances and veterinary scales.

Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.

SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.

DAkkS calibration service brochure

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.

Your advantages

fast

- 24 hours delivery service – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

competent

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EEC

versatile

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at www.kern-sohn.com

reliable

- 3 years warranty for balances over € 400,-
- Precision in weighing technology for more than 170 years



Order hotline
+49 [0] 7433 9933-0



Online Shop
www.kern-sohn.com



www.kern-sohn.com
Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.



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Calibration hotline
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Our team of consultants will assist you
from Monday to Friday
from 8:00 am to 6:00 pm

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Do you have questions about our products?
Our customer consultants will be pleased to assist you:

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NEWS

We also have lots of new models in our range for 2017.
Innovative products in the usual KERN quality:

Bench scale FCF

Compact bench scale with flexible functionality and accuracy for use in industry and the catering trade



Further details ▶ page 47

only € 195,-

Price computing scale RIB

High-quality retail scale with large item memory, user-friendly concept of operation and EC type approval [M]



Further details ▶ page 66

from € 210,-

Industrial platform scale EOC

Allround parcel scale with practical Flip/Flop display device for greatest ease of use

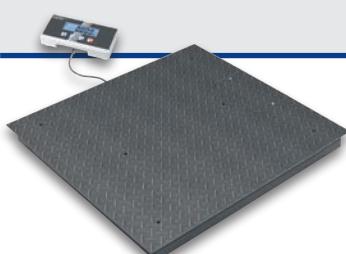


Further details ▶ page 96

from € 290,-

Floor scales BIC

High resolution floor scale with 2 × 3000 [d] and with the best price performance ratio



Further details ▶ page 113

from € 950,-

A/D converter YKU-01

A/D converter for recording weighing data in industrial environments



Further details ▶ page 138

only € 420,-

Premium Bench scale GAT

KERN Easy-Touch – the intuitive way to weigh. Bench scale with the complete range of functions for demanding processes



Further details ▶ page 54

only € 1150,-

Roller conveyor YRO-01/-02/-03

The ideal combination of determining weight on conveyors:
High-quality roller conveyors with ball bearings in combination with KERN platform scales



Further details ▶ page 87

from € 660,-

Premium Industrial platform scale IFT

KERN Easy-Touch – the intuitive way to weigh. Platform scale with the complete range of functions for demanding processes



Further details ▶ page 106

from € 1390,-

Floor scales BKN

Stainless steel floor scale with folding weighing plate and complete dust and spray protection to IP68 and EC type approval [M]



Further details ▶ page 120

from € 3800,-

Axle load scale VHP

SPECIAL OFFER!

Axle load scale for the mobile monitoring of vehicles up to 15 t



Further details ▶ page 130

€ 6890,- now: € 5900,-

Pocket balances

Pocket size precision

Pocket balances are the ideal helpers whenever mobility and high precision are required. Since they have fewer keys, operation is simple and fast. Different weighing units stored in the pocket balance, such as g, oz, ct, gn, etc., make them universally usable. An integrated calculator allows you to use the measured weight immediately in calculations, to e.g. determine a price, quantity, average value and much more. Compact in size and well protected with a flap or protective cover, which can be used as a convenient taring container, the pocket balance is always a useful tool for mobile weighing.

- In production, to control of production weights or during the picking of small parts
- In quality control for the quick testing of small parts like plastic parts from injection moulding machines, milled parts, screws, etc.
- For mobile weighing, on-site sampling, and fast analysis wherever there's no power outlet
- In hobbies and sports, e.g. when filling black powder, weighing parts from modelling kits etc.
- In commerce, for the fast determination of the weights of coins, jewellery, precious stones, etc.
- In veterinary sector for the weighing of small animals, the mixing of food, etc.
- In the food sector for the preparation of spice or tea mixes, for the weighing of food in line with a diet sheet.

Quick-Finder Pocket balances

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT €	Page	 DAYS	 CAL EXT	 BATT
					For an explanation on the pictos, see front flap		
0,001 g	20 g	TAB 20-3 ⚭	70,-	7	1	●	○
0,002 g	10 g	CM 50-C2N ⚭	90,-	7	1	●	○
0,01 g	60 g	CM 60-2N	79,-	7	1	●	○
0,1 g	150 g	TEE 150-1	38,-	7	1	●	○
0,1 g	150 g	CM 150-1N	52,-	7	1	●	○
0,1 g	200 g	TCB 200-1	52,-	7	1	●	○
0,1 g	320 g	CM 320-1N	55,-	7	1	●	○
1 g	1000 g	CM 1K1N	52,-	7	1	●	○

◆ = Carat balances

● = standard

○ = option

Your product specialist's recommendation:

-  **Simple and convenient 2-key operation**
-  **Backlit LCD display**
-  **Cover can also be used as a tare cup**
-  **Also ideal as a gift for your customers**



Katharina Wilhelm
Product specialist Pocket balances

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only €
38,-

► page 7

**KERN TEE**

Designer pocket balance at a bargain price

**KERN TCB**

This is where the fun starts with pocket format weighing

**KERN CM**

Small, practical and protected in a hard case cover

**KERN TAB**

High-precision pocket carat balance for jewellers and travelling salesmen

STANDARD	
	CAL EXT
	UNIT
	BATT
	1 DAY
	2 YEARS WARRANTY

STANDARD	
	CAL EXT
	UNIT
	BATT
	1 DAY
	2 YEARS WARRANTY

STANDARD	
	CAL EXT
	UNIT
	BATT
	1 DAY
	2 YEARS WARRANTY

STANDARD	
	CAL EXT
	UNIT
	BATT
	1 DAY
	2 YEARS WARRANTY

OPTION

DAkkS
+3 DAYS

- Simple and convenient 2-key operation
- Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup
- Note: Can be printed with your logo, from 100 pcs on. Please ask for details

- Simple and convenient 2-key operation
- Small and handy
- Transport box and weighing pan included
- Revolving weighing plate (as overload protection)
- Note: Individual logo printing on request

- Hard case cover as protection against pressure and dust

① CM:

- Integrated calculator

② CM-C:

- Hard case cover as protection against pressure and dust
- Adjusting weight standard
- Draft shield against air movements standard
- Weighing pan standard

- Simple and convenient 4-key operation
- Can be switched over from g to ct, gn at the touch of a key
- Hard case cover as protection against pressure and dust
- Adjusting weight and weighing pan standard



2

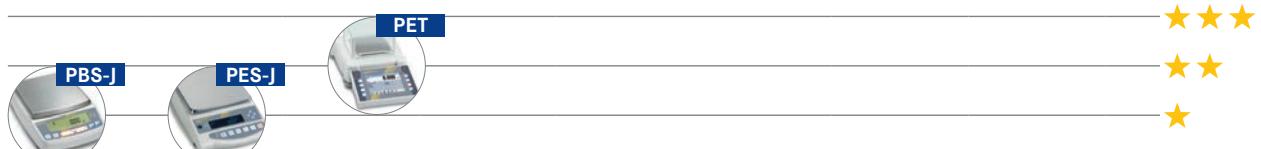
KERN	TEE 150-1	TCB 200-1	CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N	CM 50-C2N	TAB 20-3
Weighing range [Max] g	150 g	200 g	60 g	150 g	320 g	1000 g	10 g 50 ct	20 g 100 ct
Readout [d] [d]	0,1 g	0,1 g	0,01 g	0,1 g	0,1 g	1 g	0,002 g 0,01 ct	0,001 g 0,005 ct
LCD display	backlit, digit height 9 mm	Digit height 9 mm		Digit height 12 mm			Digit height 9 mm	backlit, digit height 9 mm
Dimensions of weighing plate	W×D 60×64 mm	ø 80 mm		W×D 70×80 mm		W×D 50×40 mm	W×D 36×42 mm	
Overall dimensions	W×D×H 67×100×22 mm	ø×H 80×14 mm		W×D×H 85×130×25 mm			W×D×H 95×133×33 mm	
Power supply	Batteries included, 2 × 1,5 V AAA	Batteries included, 2 × LR 44 AUTO-OFF function to preserve battery life, can be switched off		Batteries included, 2 × 1,5 V AAA AUTO-OFF function to preserve battery life, can be switched off			Batteries included, 4 × 1,5 V AAA operating time approx. 150 h	
				Operating time: ca. 30 h	ca. 70 h	ca. 30 h		
Net weight	100 g	50 g		180 g			200 g	
Permissible ambient temperature				5 °C / 35 °C				10 °C / 30 °C
Price €, excl. of VAT, ex works	38,-	52,-	79,-	52,-	55,-	52,-	90,-	70,-
Option DAkkS Calibr. Certificate				963-127, 72,-				

02

Precision balances

Here you'll find a complete summary of the KERN laboratory scales series and their positioning within the precision scales segment on the basis of application, price-performance ratio and functional volume

PREMIUM LABORATORY BALANCES



STANDARD LABORATORY BALANCES



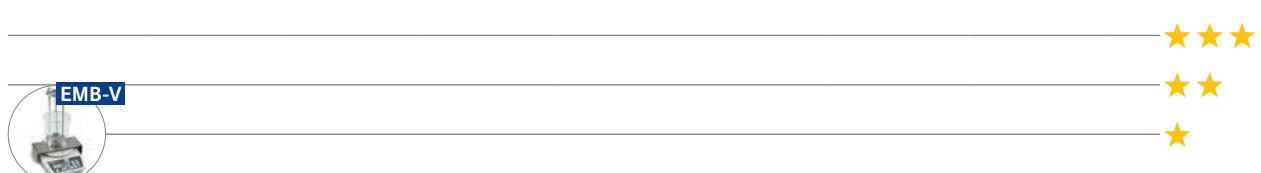
BASIC LABORATORY BALANCES



SCHOOL BALANCES



SPECIAL EQUIPMENT



Your product specialist's recommendation:

- High resolution precision balance**
- Display device can be detached**
- Ideal when weighing in a glove bag or bulky items**
- 4 new models**



Corinna Klaas

Product specialist Precision balances

KERN PCD

from €

190,-

► page 16

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Quick-Finder Precision balances

Readout [d]	Weighing range [Max]	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	PCS	TOL	BATT	ACCU
					For an explanation on the pictos, see front flap									
0,001 g	60 g	440-21A	350,-	18	1				●		●	●		●
0,001 g	100 g	EMB 100-3	195,-	13	1				●					●
0,001 g	100 g	PCB 100-3	265,-	17	1				●		●	●		●
0,001 g	120 g	PFB 120-3	280,-	19	1				●		●	●		
0,001 g	120 g	KB 120-3N	290,-	21	1				●		●	●		
0,001 g	200 g	EMB 200-3	210,-	13	1				●					●
0,001 g	200 g	EMB 200-3V	250,-	14	1				●		●			●
0,001 g	200 g	PFB 200-3	290,-	19	1				●		●	●		
0,001 g	220 g	EW 220-3NM	620,-	27	1				●		●	●	●	●
0,001 g	220 g	EG 220-3NM	760,-	27	1	○	●				●	●	●	●
0,001 g	240 g	KB 240-3N	300,-	21	1				●		●	●		●
0,001 g	240 g	572-30	520,-	23	1				●		●	●		●
0,001 g	250 g	PCD 250-3	305,-	16	1				●		●	●		●
0,001 g	250 g	PCB 250-3	290,-	17	1				●		●	●		●
0,001 g	300 g	EMS 300-3	260,-	15	1				●		●	●		●
0,001 g	300 g	PFB 300-3	320,-	19	1				●		●	●		
0,001 g	300 g	EWJ 300-3	465,-	22	1		●				●	●		●
0,001 g	300 g	EWJ 300-3H	505,-	22	1		●				●	●		●
0,001 g	300 g	572-31	530,-	23	1				●		●	●		●
0,001 g	350 g	PCD 300-3	350,-	16	1				●		●	●		●
0,001 g	350 g	PCB 350-3	300,-	17	1				●		●	●		●
0,001 g	360 g	KB 360-3N	310,-	21	1				●		●	●		●
0,001 g	360 g	PLJ 300-3CM	740,-	26	1	○	●				●	●		●
0,001 g	420 g	PLE 420-3N	450,-	20	1				●		●	●		●
0,001 g	420 g	572-32	540,-	23	1				●		●	●		●
0,001 g	420 g	PLS 420-3F	590,-	24	1				●		●	●		●
0,001 g	420 g	PLJ 420-3F	700,-	24	1		●				●	●		●
0,001 g	420 g	EW 420-3NM	690,-	27	1				●		●	●		●
0,001 g	420 g	EG 420-3NM	830,-	27	1	○	●				●	●		●
0,001 g	600 g	PLJ 600-3CM	780,-	26	1	○	●				●	●		●
0,001 g	600 g	PET 600-3M	2500,-	30	21	○	●				●	●		●
0,001 g	620 g	PNS 600-3	610,-	25	1				●		●	●		●
0,001 g	620 g	PNJ 600-3M	745,-	25	1	○	●				●	●		●
0,001 g	620 g	EW 620-3NM	770,-	27	1				●		●	●		●
0,001 g	620 g	EG 620-3NM	930,-	27	1	○	●				●	●		●
0,001 g	620 g	PBS 620-3M	1360,-	28	1				●		●	●		●
0,001 g	620 g	PBJ 620-3M	1590,-	28	1	○	●				●	●		●
0,001 g	620 g	PES 620-3M	1280,-	29	1				●		●	●		●
0,001 g	620 g	PEJ 620-3M	1480,-	29	1	○	●				●	●		●
0,001 g	720 g	PLS 720-3A	850,-	24	1				●		●	●		●
0,001 g	720 g	PLJ 720-3A	990,-	24	1				●		●	●		●
0,001 g	720 g	PLJ 720-3AM	1050,-	24	1	○	●				●	●		●
0,001 g	750 g	PLJ 700-3CM	760,-	26	1	○	●				●	●		●
0,001 g	1000 g	PET 1000-3M	2800,-	30	21	○	●				●	●		●
0,001 g	1200 g	PLS 1200-3A	870,-	24	1				●		●	●		●
0,001 g	1200 g	PLJ 1200-3A	1010,-	24	1		●				●	●		●
0,001 g	2100 g	PLJ 2000-3A	1700,-	24	1		●				●	●		●
0,01 g	200 g	EMB 200-2	125,-	13	1				●					●
0,01 g	200 g	PCB 200-2	230,-	17	1				●		●	●		●
0,01 g	200 g	440-33N	290,-	18	1				●		●	●		●
0,01 g	400 g	440-35N	330,-	18	1				●		●	●		●
0,01 g	600 g	EMB 600-2	160,-	13	1				●					●
0,01 g	600 g	440-35A	365,-	18	1				●		●	●		●
0,01 g	600 g	PFB 600-2M	290,-	19	1	○			●		●	●		
0,01 g	600 g	EWJ 600-2SM	375,-	22	1	○	●				●	●		●
0,01 g	600 g	EWJ 600-2M	410,-	22	1	○	●				●	●		●
0,01 g	600 g	PLJ 600-2GM	540,-	26	1	○	●				●	●		●
0,01 g	650 g	KB 650-2NM	330,-	21	1	○			●		●	●		●
0,01 g	650 g	573-34NM	570,-	23	1	○			●		●	●		●
0,01 g	820 g	EW 820-2NM	540,-	27	1				●		●	●		●
0,01 g	1000 g	EMB 1000-2	195,-	13	1				●					●
0,01 g	1000 g	PCB 1000-2	255,-	17	1				●		●	●		●
0,01 g	1200 g	PFB 1200-2	245,-	19	1				●		●	●		●
0,01 g	1200 g	KB 1200-2N	280,-	21	1				●		●	●		●
0,01 g	1600 g	572-33	490,-	23	1				●		●	●		●
0,01 g	2000 g	EMB 2000-2	205,-	13	1				●					●
0,01 g	2000 g	EMB 2000-2V	250,-	14	1				●		●	●		●
0,01 g	2000 g	PFB 2000-2	255,-	19	1				●		●	●		●
0,01 g	2000 g	KB 2000-2N	280,-	21	1				●		●	●		●
0,01 g	2200 g	EW 2200-2NM	660,-	27	1				●		●	●		●
0,01 g	2200 g	EG 2200-2NM	820,-	27	1	○	●				●	●		●
0,01 g	2200 g	PES 2200-2M	840,-	29	1				●		●	●		●

NEW 2017

● = standard ○ = option

Quick-Finder Precision balances

02

Readout [d]	Weighing range [Max]	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	PCS	TOL	BATT	ACCU
					For an explanation on the pictos, see the front flap									
0,01 g	2200 g	PEJ 2200-2M	1040,-	29	1	○	●			●	●	●	●	
0,01 g	2400 g	KB 2400-2N	290,-	21	1			●		●	●	●		○
0,01 g	2400 g	572-35	500,-	23	1			●		●	●	●		○
0,01 g	2500 g	PCD 2500-2	295,-	16	1			●		●	●	●	●	○
0,01 g	2500 g	PCB 2500-2	290,-	17	1			●		●	●	●	●	○
0,01 g	2500 g	PET 2500-2M	2400,-	30	21	○	●			●	●	●	●	
0,01 g	3000 g	EMS 3000-2	240,-	15	1			●		●	●	●	●	
0,01 g	3000 g	PFB 3000-2	280,-	19	1			●		●	●	●		
0,01 g	3000 g	EWJ 3000-2	445,-	22	1		●			●	●	●		○
0,01 g	3000 g	572-37	510,-	23	1			●		●	●	●		○
0,01 g	3100 g	PLJ 3000-2FM	600,-	24	1	○	●			●	●	●	●	
0,01 g	3200 g	PNS 3000-2	580,-	25	1			●		●	●	●	●	
0,01 g	3200 g	PNJ 3000-2M	705,-	25	1	○	●			●	●	●	●	
0,01 g	3500 g	PCD 3000-2	350,-	16	1			●		●	●	●	●	○
0,01 g	3500 g	PCB 3500-2	300,-	17	1			●		●	●	●	●	○
0,01 g	3500 g	PLJ 3000-2CM	730,-	26	1	○	●			●	●	●	●	
0,01 g	3600 g	KB 3600-2N	310,-	21	1			●		●	●	●		○
0,01 g	4200 g	PLE 4200-2N	450,-	20	1			●		●	●	●	●	○
0,01 g	4200 g	572-39	520,-	23	1			●		●	●	●		○
0,01 g	4200 g	PLS 4200-2F	590,-	24	1			●		●	●	●	●	
0,01 g	4200 g	PLJ 4200-2F	690,-	24	1		●			●	●	●	●	
0,01 g	4200 g	EW 4200-2NM	760,-	27	1			●		●	●	●	●	○
0,01 g	4200 g	EG 4200-2NM	880,-	27	1	○	●			●	●	●	●	○
0,01 g	4200 g	PBS 4200-2M	1150,-	28	1				●		●	●	●	
0,01 g	4200 g	PBJ 4200-2M	1420,-	28	1	○	●			●	●	●	●	
0,01 g	4200 g	PEJ 4200-2M	1230,-	29	1	○	●			●	●	●	●	
0,01 g	4200 g	PES 4200-2M	1000,-	29	1			●		●	●	●	●	○
0,01 g	6000 g	PET 6000-2M	2600,-	30	21	○	●			●	●	●	●	
0,01 g	6200 g	PLS 6200-2A	870,-	24	1			●		●	●	●	●	
0,01 g	6200 g	PLJ 6200-2A	990,-	24	1			●		●	●	●	●	
0,01 g	6200 g	PLJ 6200-2AM	1050,-	24	1	○	●			●	●	●	●	
0,01 g	6200 g	EW 6200-2NM	810,-	27	1			●		●	●	●	●	○
0,01 g	6200 g	PBS 6200-2M	1380,-	28	1			●		●	●	●	●	
0,01 g	6200 g	PBJ 6200-2M	1720,-	28	1	○	●			●	●	●	●	
0,01 g	6200 g	PES 6200-2M	1240,-	29	1			●		●	●	●	●	○
0,01 g	8200 g	PLS 8000-2A	1050,-	24	1			●		●	●	●	●	
0,05 g	6000 g	PFB 6K0.05	250,-	19	1			●		●	●	●		
0,05 g	10000 g	KB 10K0.05N	280,-	21	1			●		●	●	●		○
0,05 g	12000 g	572-45	490,-	23	1			●		●	●	●		○
0,05 g	20000 g	572-55	520,-	23	1			●		●	●	●		○
0,1 g	200 g	EMB 200-1SS05*	200,-	12	1			●						●
0,1 g	400 g	440-43N	185,-	18	1			●		●	●	●	●	○
0,1 g	500 g	EMB 500-1SS05*	225,-	12	1			●						●
0,1 g	500 g	EMB 500-1	57,-	13	1			●						●
0,1 g	500 g	EMB 500-1BE	57,-	13	1			●						●
0,1 g	600 g	PFB 600-1M	360,-	19	1	○		●		●	●	●		
0,1 g	1000 g	PCB 1000-1	185,-	17	1			●		●	●	●	●	○
0,1 g	1000 g	440-45N	245,-	18	1			●		●	●	●	●	○
0,1 g	1200 g	EMB 1200-1	80,-	13	1			●		●				●
0,1 g	2000 g	PCB 2000-1	215,-	17	1			●		●	●	●	●	○
0,1 g	2000 g	440-47N	270,-	18	1			●		●	●	●	●	○
0,1 g	3000 g	EMB 3000-1	125,-	13	1			●		●				●
0,1 g	4000 g	440-49N	330,-	18	1			●		●	●	●	●	○
0,1 g	6000 g	EMB 6000-1	160,-	13	1			●		●				●
0,1 g	6000 g	EMS 6K0.1	160,-	15	1			●		●				●
0,1 g	6000 g	PCD 6K-4	260,-	16	1			●		●	●	●	●	○
0,1 g	6000 g	PCB 6000-1	240,-	17	1			●		●	●	●	●	○
0,1 g	6000 g	440-49A	365,-	18	1			●		●	●	●	●	○
0,1 g	6000 g	PFB 6000-1	220,-	19	1			●		●	●	●		
0,1 g	6000 g	PFB 6000-1M	290,-	19	1	○		●		●	●	●		
0,1 g	6000 g	EWJ 6000-1SM	365,-	22	1	○		●		●	●	●		○
0,1 g	6000 g	EWJ 6000-1M	400,-	22	1	○		●		●	●	●		○
0,1 g	6000 g	PLJ 6000-1GM	540,-	26	1	○		●		●	●	●	●	
0,1 g	6500 g	KB 6500-1NM	330,-	21	1	○		●		●	●	●		○
0,1 g	6500 g	573-46NM	570,-	23	1	○		●		●	●	●		○
0,1 g	8200 g	PBJ 8200-1M	1410,-	28	1	○		●		●	●	●	●	
0,1 g	10000 g	PCD 10K0.1	240,-	16	1			●		●	●	●	●	○
0,1 g	10000 g	PCB 10000-1	245,-	17	1			●		●	●	●	●	○
0,1 g	10000 g	KB 10000-1N	270,-	21	1			●		●	●	●		○
0,1 g	10000 g	572-43	480,-	23	1			●		●	●	●		○
0,1 g	12000 g	EMS 12K0.1	205,-	15	1			●		●	●	●		●
0,1 g	12000 g	PNS 12000-1	570,-	25	1			●		●	●	●	●	

NEW 2017

*Set of 5 units

● = standard ○ = option

Quick-Finder Precision balances

Readout [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	PCS	TOL	BATT	ACCU
					For an explanation on the pictos, see the front flap									
0,1 g	12000 g	PNJ 12000-1M	695,-	25	1	○	●			●	●	●		
0,1 g	12000 g	EW 12000-1NM	635,-	27	1			●		●	●	●	●	○
0,1 g	15000 g	PES 15000-1M	1190,-	29	1			●		●	●	●	●	○
0,1 g	16000 g	572-49	490,-	23	1		●			●	●	●		○
0,1 g	20000 g	PLS 20000-1F	590,-	24	1		●			●	●	●	●	
0,1 g	24000 g	572-57	500,-	23	1		●			●	●	●		○
0,1 g	31000 g	PES 31000-1M	2050,-	29	1		●			●	●	●	●	○
1 g	2000 g	EMB 2000-OSS05*	200,-	12	1		●							●
1 g	2200 g	EMB 2200-0	60,-	13	1		●							●
1 g	4000 g	440-51N	160,-	18	1		●			●	●	●		○
1 g	5000 g	EMB 5000-OSS05*	225,-	12	1		●							●
1 g	5200 g	EMB 5.2K1	62,-	13	1		●							●
1 g	6000 g	EMS 6K1	70,-	15	1		●				●	●		●
1 g	6000 g	PCB 6000-0	130,-	17	1		●			●	●	●	●	○
1 g	6000 g	440-53N	180,-	18	1		●			●	●	●	●	○
1 g	6000 g	PFB 6000-0M	350,-	19	1	○		●		●	●	●		
1 g	10000 g	PCD 10K-3	190,-	16	1		●			●	●	●		●
1 g	12000 g	EMS 12K1	95,-	15	1		●				●			●
5 g	5200 g	EMB 5.2K5	55,-	13	1		●							●

NEW 2017

*Set of 5 units

● = standard ○ = option



The space miracle – stackable school balance for experiment-based teaching

Features

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Secure and non-slip positioning with rubber feet
- 1 Stackable for space-saving storage
- 2 A practical **transport safety lock** prevents the weighing technology from being overloaded when stored or during transportation
- Hook for underfloor weighing standard

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic, Ø 120 mm
- Overall dimensions W×D×H 145×205×45 mm
- Net weight approx. 0,5 kg/piece
- Optional battery operation, 2×1.5 V AA, standard, operating time up to 35 h, AUTO-OFF function to preserve the battery
- Permissible ambient temperature 5 °C/35 °C
- **Note:** The models are only delivered in a set of 5 units. i.e. the price given in the table refers to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Accessories

- External universal mains adapter, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-03, € 31,-



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Price set of 5 units excl. of VAT ex works €	Option	
						DAkkS Calibr. Certificate	1 Piece €
KERN						DKD KERN	
EMB 200-1SS05	200	0,1	0,2	± 0,3	200,-	963-127	72,-
EMB 500-1SS05	500	0,1	0,2	± 0,3	225,-	963-127	72,-
EMB 2000-0SS05	2000	1	2	± 3	200,-	963-127	72,-
EMB 5000-0SS05	5000	1	2	± 3	225,-	963-127	72,-



Entry level laboratory balance with tremendous weighing performance

Features

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- 1 Ring-shaped draught shield standard, only for models with weighing plate size A, weighing space Ø×H 96×35 mm
- 2 Note: KERN EMB 500-1BE Black Edition

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface
- A Ø 82 mm
- B Ø 105 mm
- C Ø 150 mm, see larger picture
- Weighing plate material
- A plastic, with conductive lacquer
- B, C plastic
- Net weight approx. 0,75 kg
- Permissible ambient temperature 5 °C/35 °C

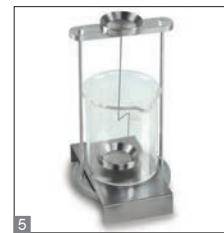
Accessories

- 3 Stainless steel weighing plate, only for models with weighing plate size B, KERN EMB-A02, € 26,-
- 4 Stack frame for space-saving storage of precision balances from the KERN range, scope of delivery 5 pieces, for models with housing dimensions W×D×H 170×240×39 mm: KERN EMB-A07, € 40,- 170×240×54 mm: KERN EMB-A09, € 40,-
- External universal mains adapter, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-03, € 31,-

STANDARD	
CAL EXT	UNDER
BATT	DMS
1 DAY	WARRANTY

OPTION	
B MULTI	DAkkS +3 DAYS

Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Dimensions housing W×D×H mm	Weighing plate	Price € excl. of VAT ex works €	Option	
								DAkkS Calibr. Certificate	KERN
KERN									
EMB 100-3	100	0,001	0,001	± 0,005	170×240×54	A	195,-	963-127	72,-
EMB 200-3	200	0,001	0,001	± 0,005	170×240×54	A	210,-	963-127	72,-
EMB 200-2	200	0,01	0,01	± 0,02	170×240×39	B	125,-	963-127	72,-
EMB 600-2	600	0,01	0,01	± 0,03	170×240×39	B	160,-	963-127	72,-
EMB 1000-2	1000	0,01	0,01	± 0,05	170×240×54	C	195,-	963-127	72,-
EMB 2000-2	2000	0,01	0,01	± 0,05	170×240×54	C	205,-	963-127	72,-
EMB 500-1	500	0,1	0,1	± 0,2	170×240×39	C	57,-	963-127	72,-
EMB 500-1BE	500	0,1	0,1	± 0,2	170×240×39	C	57,-	963-127	72,-
EMB 1200-1	1200	0,1	0,1	± 0,3	170×240×39	C	80,-	963-127	72,-
EMB 3000-1	3000	0,1	0,1	± 0,3	170×240×39	C	125,-	963-127	72,-
EMB 6000-1	6000	0,1	0,1	± 0,3	170×240×39	C	160,-	963-128	88,-
EMB 2200-0	2200	1	1	± 2	170×240×39	C	60,-	963-127	72,-
EMB 5.2K1	5200	1	1	± 3	170×240×39	C	60,-	963-128	88,-
EMB 5.2K5	5200	5	5	± 10	170×240×39	C	55,-	963-128	88,-



Compact laboratory balance with integrated density determination function

Features

- Density determination made easy!** Thanks to the self-explanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities
- Self-explanatory graphic control panel,** the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:**
 - 1 Tare the balance by pressing the [TARE] key
 - 2 Select density determination mode (solids/liquids)
 - 3 Weighing of samples/plummets in air
 - 4 Weighing of samples/plummets in liquid
 The density will be shown on the display right away

Particularly flat design

- Hook for underfloor weighing standard**
- Ready for use: Batteries included, 9 V block, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Note: Balance and appropriate set for density determination should be ordered at the same time, see accessories**

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic
 - A Ø 82 mm
 - B Ø 150 mm, see larger picture
- Overall dimensions W×D×H 175×245×54 mm
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C
- Now also with carat weighing unit:**
EMB 200-3V: 1000 ct/0,005 ct
EMB 2000-2V: 10000 ct/0,05 ct

Accessories

KERN EMB 200-3V:

- 5 Set for density determination** of liquids and solids with density $\leq \geq 1$.
Scope of delivery: Weighing plate, beaker (H×Ø 71×51 mm), sample holder, plummet, KERN YDB-01, **€ 215,-**
- DAkkS-Calibration certificate** for the plummet (200 g), KERN 962-335V, **€ 143,-**

KERN EMB 2000-2V:

- 6 Set for density determination** of liquids and solids with density $\leq \geq 1$.
Scope of delivery: Weighing plate, beaker (H×Ø 135×100 mm), sample holder, plummet, KERN YDB-02, **€ 330,-**
- DAkkS-Calibration certificate** for the plummet (200 g), KERN 962-338V, **€ 141,-**

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price €		Option	
						excl. of VAT ex works €	DAkkS Calibr. Certificate	DKD KERN	€
KERN									
EMB 200-3V	200	0,001	0,002	± 0,005	A	250,-	963-127	72,-	
EMB 2000-2V	2000	0,01	0,02	± 0,05	B	250,-	963-127	72,-	



Entry level model in the low-cost range with large weighing plate

Features

- Especially suitable for use in schools and universities, for example for biology, chemistry, physics
- Large, shock proof weighing plate made of plastic**
- Particularly flat design**
- Ergonomically optimised key pad** with large keys and a high-contrast LCD display
- Secure and non-slip positioning** with rubber feet
- Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price
- ① Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 145×145×65 mm

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface
A Ø 105 mm
B W×D 175×190 mm, see larger picture
- Weighing plate material
A plastic, with conductive lacquer
B plastic
- Dimensions housing W×D×H 200×280×63 mm
- Optional battery operation, 9 V block not included, operating time up to 40 h, AUTO-OFF function to preserve the battery
- External mains adapter standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- ② Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMS-A01, **€ 30,-**

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Option	
						DAkkS Calibr. Certificate	DKE KERN
KERN						excl. of VAT €	€
EMS 300-3	300	0,001	0,002	± 0,005	A	260,-	963-127
EMS 3000-2	3000	0,01	0,02	± 0,05	B	240,-	963-127
EMS 6K0.1	6000	0,1	0,1	± 0,3	B	160,-	963-128
EMS 12K0.1	12000	0,1	0,1	± 0,3	B	205,-	963-128
EMS 6K1	6000	1	1	± 3	B	70,-	963-128
EMS 12K1	12000	1	1	± 3	B	95,-	963-128



High-resolution precision balance with removable display for maximum flexibility

Features

- Laboratory balance with separate platform: Ideal when working in the glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- 1 Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 146×146×80 mm

Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
A Ø 105 mm
B W×D 160×160 mm
- Weighing plate material
A plastic, with conductive lacquer
B stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×280×75 mm
- Cable length of display device approx. 1,2 m
- Net weight approx. 1,2 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover** over the display device, standard, scope of delivery: 5 items, KERN PCD-A05S05, **€ 30,-**
- 2 Stand** to elevate display device, height of stand approx. 250 mm, can be retrofitted, KERN PCD-A03, **€ 50,-**
- 3 Foot switch**, ideal when the application requires two free hands. TARE or PRINT function can be selected. Scope of delivery: foot switch, junction box, connection cable. For the PRINT function you will need the RS-232 interface cable, KERN YKF-01, **€ 80,-**
- Rechargeable battery pack internal**, operating time up to 24 h without backlight, charging time approx. 10 h, KERN PCD-A04, **€ 50,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	DKD KERN
KERN								
PCD 250-3	250	0,001	0,002	± 0,005	A	305,-	963-127	72,-
PCD 300-3 <small>NEW</small>	350	0,001	0,002	± 0,005	A	350,-	963-127	72,-
PCD 2500-2	2500	0,01	0,02	± 0,05	B	295,-	963-127	72,-
PCD 3000-2 <small>NEW</small>	3500	0,01	0,02	± 0,05	B	350,-	963-127	72,-
PCD 6K-4 <small>NEW</small>	6000	0,1	0,1	± 0,3	B	260,-	963-128	88,-
PCD 10K0.1	10000	0,1	0,1	± 0,3	B	240,-	963-128	88,-
PCD 10K-3 <small>NEW</small>	10000	1	1	± 3	B	190,-	963-128	88,-

NEW New model



The standard in the laboratory

Features

- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- With the **recipe** function you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients
- Plus/minus weighing procedures**
- Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space Ø×H 90×40 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** Ø 81 mm
 - B** Ø 105 mm
 - C** W×D 130×130 mm
 - D** W×D 150×170 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B**, **C**, **D** stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h
AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H
163×245×79 mm (without draught shield)
- Permissible ambient temperature
5 °C/35 °C

Accessories

- Protective working cover**, can be re-ordered, standard, scope of delivery: 5 items, for models with weighing plate size
 - A** KERN PCB-A02S05, € 30,-
 - B** KERN PCB-A03S05, € 35,-
 - C** KERN PCB-A04S05, € 30,-
 - D** KERN PCB-A05S05, € 30,-
- Rechargeable battery pack internal**, operating time up to 48 h without backlight, charging time approx. 8 h, KERN PCB-A01, € 75,-
- Balance Connection Software**, KERN SCD-4.0, € 150,-
- Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS	Calibr. Certificate
KERN							DKD	KERN
PCB 100-3	100	0,001	0,001	± 0,003	A	265,-	963-127	72,-
PCB 250-3	250	0,001	0,001	± 0,005	A	290,-	963-127	72,-
PCB 350-3	350	0,001	0,002	± 0,005	A	300,-	963-127	72,-
PCB 200-2	200	0,01	0,01	± 0,02	B	230,-	963-127	72,-
PCB 1000-2	1000	0,01	0,01	± 0,03	C	255,-	963-127	72,-
PCB 2500-2	2500	0,01	0,01	± 0,05	C	290,-	963-127	72,-
PCB 3500-2	3500	0,01	0,02	± 0,05	C	300,-	963-127	72,-
PCB 1000-1	1000	0,1	0,1	± 0,2	C	185,-	963-127	72,-
PCB 2000-1	2000	0,1	0,1	± 0,2	C	215,-	963-127	72,-
PCB 6000-1	6000	0,1	0,1	± 0,3	D	240,-	963-128	88,-
PCB 10000-1	10000	0,1	0,1	± 0,3	D	245,-	963-128	88,-
PCB 6000-0	6000	1	1	± 2	D	130,-	963-128	88,-



The classic balance in the laboratory

Features

- Compact size**, practical for small spaces
- Percentage determination**: makes it possible to store a given weight value (100 %) and to determine deviations from this target value
- Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90×40 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** \varnothing 81 mm
 - B** \varnothing 105 mm
 - C** W×D 130×130 mm
 - D** W×D 150×170 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B**, **C**, **D** stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×230×80 mm
- Net weight approx. 0,95 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover**, can be re-ordered, standard, scope of delivery: 5 items, for models with weighing plate size
 - A** KERN 440-210-002S05, **€ 30,-**
 - B** KERN 440-330-002S05, **€ 30,-**
 - C** KERN 440-450-002S05, **€ 30,-**
 - D** KERN 440-530-002S05, **€ 35,-**
- Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Hook for underfloor weighing**, optional, KERN 440-A01, **€ 25,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate DKD KERN	€
KERN								
440-21A	60	0,001	0,001	\pm 0,003	A	350,-	963-127	72,-
440-33N	200	0,01	0,01	\pm 0,02	B	290,-	963-127	72,-
440-35N	400	0,01	0,01	\pm 0,03	B	330,-	963-127	72,-
440-35A	600	0,01	0,01	\pm 0,03	B	365,-	963-127	72,-
440-43N	400	0,1	0,1	\pm 0,2	C	185,-	963-127	72,-
440-45N	1000	0,1	0,1	\pm 0,2	C	245,-	963-127	72,-
440-47N	2000	0,1	0,1	\pm 0,2	C	270,-	963-127	72,-
440-49N	4000	0,1	0,1	\pm 0,3	D	330,-	963-127	72,-
440-49A	6000	0,1	0,1	\pm 0,3	D	365,-	963-128	88,-
440-51N	4000	1	1	\pm 2	D	160,-	963-127	72,-
440-53N	6000	1	1	\pm 2	D	180,-	963-128	88,-



Quick-displaying precision balance with user-friendly operation modes and EC type approval [M]

Features

- Easy to use:** All primary functions have their own key on the keypad
- Compact size,** practical for small spaces
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- Draught shield** standard for models with weighing plate size **A** and **B**, Weighing space W×D×H 158×143×64 mm
- 1 Separate second display** standard for models PFB 600-1M and PFB 6000-0M. Suitable for direct sales to the public. The verification value is the same as the readout. Large backlit LCD

display, digit height 16,5 mm. Interface cable to the balance, cable length approx. 1,5 m, standard. Dimensions W×D×H 177×85×45 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface, stainless steel
A Ø 80 mm
B Ø 120 mm
C W×D 155×145 mm, see larger picture
- Overall dimensions W×D×H 200×260×87 mm (without draught shield)
- Net weight approx. 1,2 kg
- Permissible ambient temperature
 KERN PFB: 15 °C/30 °C
 KERN PFB-M: 15 °C/30 °C

Accessories

- 2 Separate second display**, ideal for training and demonstration purposes in laboratories or industry, not permitted for direct sales to the public, KERN PFB-A08, **€ 115,-**
- Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, Bluetooth 2.0: KERN PFB-A10, **€ 95,-**, Bluetooth 4.0: KERN PFB-A11, **€ 115,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD

PFB-M															

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification			
								MII KERN	€		
KERN								DKD KERN	€		
PFB 120-3	120	0,001	-	-	± 0,003	A	280,-	-	-	963-127	72,-
PFB 200-3	200	0,001	-	-	± 0,003	A	290,-	-	-	963-127	72,-
PFB 300-3	300	0,001	-	-	± 0,003	A	320,-	-	-	963-127	72,-
PFB 1200-2	1200	0,01	-	-	± 0,03	B	245,-	-	-	963-127	72,-
PFB 2000-2	2000	0,01	-	-	± 0,03	B	255,-	-	-	963-127	72,-
PFB 3000-2	3000	0,01	-	-	± 0,03	B	280,-	-	-	963-127	72,-
PFB 6K0.05	6000	0,05	-	-	± 0,15	C	250,-	-	-	963-128	88,-
PFB 6000-1	6000	0,1	-	-	± 0,3	C	220,-	-	-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

PFB 600-2M	600	0,01	0,1	0,5	± 0,02	B	290,-	965-216	66,-	963-127	72,-
PFB 600-1M 1	600	0,1	0,1	5	± 0,1	B	360,-	965-216	66,-	963-127	72,-
PFB 6000-1M	6000	0,1	1	5	± 0,3	C	290,-	965-217	77,-	963-128	88,-
PFB 6000-0M 1	6000	1	1	50	± 1	C	350,-	965-217	77,-	963-128	88,-





High-resolution precision balance with high resolution and large range of functions

Features

- With its **exceptionally large weighing ranges and readouts**, this range offers a large pool of products to cover the most varied applications within the laboratory environment. They are therefore particularly suitable for heavy tare containers or large samples
- Stable weighing results thanks to the individual temperature compensation of the strain gauge measuring system which is set at the factory. It is therefore especially suitable for use in areas where there are temperature fluctuations
- The **measuring system's exceptionally high resolution** of 420.000 points ensures the highest level of accuracy with large weighing ranges. Almost unbeatable in this price category
- Compact size**, practical for small spaces
- Totalising** of weights
- Draught shield** standard for models with weighing plate size A, weighing space Ø×H 125×70 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Weighing plate dimensions, stainless steel
A Ø 80 mm
B Ø 135 mm, see larger picture
- Dimensions housing W×D×H 185×250×80 mm
- Net weight approx. 1,2 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN PLE-A06, **€ 35,-**
- 2 Set for density determination** of liquids and solids with density $\leq \geq 1$, the density is indicated directly on the display, KERN ALT-A02, **€ 820,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*



STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAKKS Calibr. Certificate	DKD KERN €
KERN								
PLE 420-3N	420	0,001	0,002	± 0,004	A	450,-	963-127	72,-
PLE 4200-2N	4200	0,01	0,02	± 0,04	B	450,-	963-127	72,-



Compact precision balance with large weighing range, as well as EC type approval [M]

Features

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN KB-N is a reliable partner for day-to-day work in the laboratory
- **User guidance step by step** on display by Yes/No dialogue
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space Ø×H 90×40 mm

Technical data

- Backlit LCD display, digit height 9 mm
- Weighing plate dimensions W×D×H
 A Ø 81 mm, plastic, with conductive lacquer
 B W×D 130×130 mm, stainless steel
 C W×D 150×170 mm, stainless steel, see larger picture
- Overall dimensions W×D×H 167×250×85 mm (without draught shield)
- Net weight approx. 2,0 kg
- Permissible ambient temperature
 KERN KB-N: 10 °C/40 °C
 KERN KB-NM: 10 °C/30 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
 A KERN PCB-A02S05, € 30,-
 B KERN PCB-A04S05, € 30,-
 C KERN PCB-A05S05, € 30,-
- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, € 50,-
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 180,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] g	Readout [d]	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options	
								Verification	DAkks Calibr. Certificate
KERN								M II	DKD
KB 120-3N	120	0,001	-	-	± 0,003	A	290,-	-	KERN
KB 240-3N	240	0,001	-	-	± 0,003	A	300,-	-	KERN
KB 360-3N	360	0,001	-	-	± 0,005	A	310,-	-	KERN
KB 1200-2N	1200	0,01	-	-	± 0,03	B	280,-	-	KERN
KB 2000-2N	2000	0,01	-	-	± 0,03	B	280,-	-	KERN
KB 2400-2N	2400	0,01	-	-	± 0,03	B	290,-	-	KERN
KB 3600-2N	3600	0,01	-	-	± 0,05	B	310,-	-	KERN
KB 10K0.05N	10000	0,05	-	-	± 0,15	C	280,-	-	KERN
KB 10000-1N	10000	0,1	-	-	± 0,3	C	270,-	-	KERN

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
 Verification at the factory, we need to know the full address of the location of use.

KB 650-2NM	650	0,01	0,1	0,5	± 0,03	B	330,-	965-216	66,-	963-127	72,-
KB 6500-1NM	6500	0,1	1	5	± 0,3	C	330,-	965-217	77,-	963-128	88,-



High-quality precision balance with automatic internal adjustment, also with EC type approval [M]

Features

- Easy to use:** All primary functions have their own key on the keypad
- Automatic internal adjustment,** time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- USB interface** for transferring weighing data to the PC, printer, USB sticks etc.
- Draft shield** standard on models with [Max] = 600 g, weighing space WxDxH 145x160x80 mm
- EWJ 300-3H: Large glass draught shield** with 3 sliding doors for easy access to

the items being weighed. Weighing space WxDxH 155x175x217 mm

Technical data

- Large backlit LCD display, digit height 16,5 mm
- Weighing plate dimensions, stainless steel
 - A Ø 80 mm
 - B Ø 120 mm
 - C Ø 135 mm
 - D WxD 155x145 mm
- Overall dimensions WxDxH
220x315x90 mm (without draught shield)
220x340x321 mm (incl. draught shield)
- Permissible ambient temperature
KERN EWJ: 15 °C/35 °C
KERN EWJ-M: 15 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN EWJ-A04S05, € 30,-
- Rechargeable battery pack internal**, operating time up to 15 h without backlight, charging time approx. 4 h, KERN KFB-A01, € 35,-
- USB interface kit** for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software Balance Connection, KERN DBS-A02, € 290,-
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, € 750,-
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD											OPTION		FACTORY		
	RS 232		GLP						DMS	1 DAY	3 YEARS WARRANTY		DAKKS		M
nur mit DBS-A02														EWJ-M	
Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity	Weighing plate	Price € excl. of VAT ex works €	Options		Verification		DAkkS Calibr. Certificate			
KERN								MII	KERN	DKD	KERN				
EWJ 300-3	300	0,001	-	-	± 0,003	A	465,-		-	-	963-127	72,-			
EWJ 300-3H <small>NEW</small>	300	0,001	-	-	± 0,003	A	505,-		-	-	963-127	72,-			
EWJ 3000-2	3000	0,01	-	-	± 0,05	C	445,-		-	-	963-127	72,-			
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.															
Verification at the factory, we need to know the full address of the location of use.															
EWJ 600-2SM <small>NEW</small>	600	0,01	0,1	0,5	± 0,03	B	375,-	965-216	66,-	963-127	72,-				
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	B	410,-	965-216	66,-	963-127	72,-				
EWJ 6000-1SM <small>NEW</small>	6000	0,1	1	5	± 0,3	D	365,-	965-217	77,-	963-128	88,-				
EWJ 6000-1M	6000	0,1	1	5	± 0,3	D	400,-	965-217	77,-	963-128	88,-				

NEW New model



All-rounders e.g. as precision balance in the laboratory or in harsh industrial applications, also with EC type approval [M]

Features

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN 572 is a reliable partner for day-to-day work in the laboratory
- The robust version**, typical industrial functions, such as piece-counting, vibration-free weighing and the large weighing ranges also make these balances ideal for all industrial applications, where a high level of precision is required
- Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- The robust aluminium diecast housing** maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- KERN 572: **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space Ø×H 157×43 mm
- Hook for underfloor weighing**, standard for models with [d] = 0,001 g

Technical data

- Large backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel
A Ø 106 mm
B Ø 150 mm
C W×D 160×200 mm, see larger picture
- Overall dimensions W×D×H 180×310×85 mm
- Permissible ambient temperature
KERN 572: 10 °C/40 °C
KERN 573: 10 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN 572-A02S05, **€ 35,-**
- Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- ③ Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size **A**, KERN 572-A05, **€ 220,-**
- Hook for underfloor weighing**, for models with [d] ≥ 0,01 g, KERN 572-A03, **€ 25,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD

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OPTION

2	+3 DAYS

FACTORY

+3 DAYS

573

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M II KERN	€	DKD KERN	€
KERN											
572-30	240	0,001	-	-	± 0,003	A	520,-	-	-	963-127	72,-
572-31	300	0,001	-	-	± 0,005	A	530,-	-	-	963-127	72,-
572-32	420	0,001	-	-	± 0,005	A	540,-	-	-	963-127	72,-
572-33	1600	0,01	-	-	± 0,03	B	490,-	-	-	963-127	72,-
572-35	2400	0,01	-	-	± 0,03	B	500,-	-	-	963-127	72,-
572-37	3000	0,01	-	-	± 0,05	B	510,-	-	-	963-127	72,-
572-39	4200	0,01	-	-	± 0,05	B	520,-	-	-	963-127	72,-
572-45	12000	0,05	-	-	± 0,15	C	490,-	-	-	963-128	88,-
572-55	20000	0,05	-	-	± 0,25	C	520,-	-	-	963-128	88,-
572-43	10000	0,1	-	-	± 0,3	C	480,-	-	-	963-128	88,-
572-49	16000	0,1	-	-	± 0,3	C	490,-	-	-	963-128	88,-
572-57	24000	0,1	-	-	± 0,3	C	500,-	-	-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

573-34NM	650	0,01	0,1	0,5	± 0,03	B	570,-	965-216	66,-	963-127	72,-
573-46NM	6500	0,1	1	5	± 0,3	C	570,-	965-217	77,-	963-128	88,-



Range of precision balances with enormous weighing ranges – ideal for heavy tare containers or large samples

Features

- A PLJ 2000-3A high-quality milligram balance with enormous weighing range up to 2100 g** – ideal for large samples or heavy tare containers
- Ergonomically optimised keypad** for left and righthanded users
- 1 KERN PLJ: Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- 2 KERN PLS: Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see *test weights*
- Draught shield** standard for models with weighing plate size **A**, weighing space Ø×H 60×150 mm

Technical data

- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 80 mm
 - B** Ø 110 mm
 - C** Ø 160 mm, see larger picture
 - D** W×D 200×175 mm
- 3 KERN PLS/PLJ-F: Strain gauge**
- 4 KERN PLS/PLJ-A: Force compensation**
- Permissible ambient temperature
KERN PLS, PLJ: 5 °C/35 °C
KERN PLJ-M: 15 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PLJ-A01S05, **€ 60,-**
- 5 Hook for underfloor weighing**, optional, KERN PLJ-A02, **€ 30,-**
- Set for density determination** of liquids and solids with density $\leq/\geq 1$ for models with [d] = 0,001 g, KERN ALT-A02, **€ 820,-**
[d] = 0,01 g, KERN PLT-A01, **€ 820,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD										OPTION			FACTORY				
1	2							5	3	4							
Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options		Verification			DAkkS Calibr. Certificate				
KERN								MII	KERN	DKD	KERN						
PLS 420-3F	420	0,001	-	-	± 0,004	A	590,-	-	-	-	963-127	72,-					
PLS 720-3A 5	720	0,001	-	-	± 0,002	A	850,-	-	-	-	963-127	72,-					
PLS 1200-3A 5	1200	0,001	-	-	± 0,003	A	870,-	-	-	-	963-127	72,-					
PLS 4200-2F 5	4200	0,01	-	-	± 0,04	C	590,-	-	-	-	963-127	72,-					
PLS 6200-2A 5	6200	0,01	-	-	± 0,03	C	870,-	-	-	-	963-128	88,-					
PLS 8000-2A 5	8200	0,01	-	-	± 0,04	C	1050,-	-	-	-	963-128	88,-					
PLS 20000-1F 5	20000	0,1	-	-	± 0,4	C	590,-	-	-	-	963-128	88,-					
PLJ 420-3F	420	0,001	-	-	± 0,003	A	700,-	-	-	-	963-127	72,-					
PLJ 720-3A 5	720	0,001	-	-	± 0,002	A	990,-	-	-	-	963-127	72,-					
PLJ 1200-3A 5	1200	0,001	-	-	± 0,003	A	1010,-	-	-	-	963-127	72,-					
PLJ 2000-3A 5	2100	0,001	-	-	± 0,004	A	1700,-	-	-	-	963-127	72,-					
PLJ 3000-2FM*	3100	0,01	-	-	± 0,03	B	600,- ①	-	-	-	963-127	72,-					
PLJ 4200-2F	4200	0,01	-	-	± 0,04	B	690,-	-	-	-	963-127	72,-					
PLJ 6200-2A 5	6200	0,01	-	-	± 0,03	B	990,-	-	-	-	963-128	88,-					
Note: For applications that require verification, please order verificati on at the same time, initial verification at a later date is not possible.																	
Verification at the factory, we need to know the full address of the location of use.																	
PLJ 720-3AM	720	0,001	0,01	0,02	± 0,002	B	1050,-	965-216	66,-	963-127	72,-						
PLJ 6200-2AM	6200	0,01	0,1	0,5	± 0,03	B	1050,-	965-217	77,-	963-128	88,-						

*ONLY WHILE STOCKS LAST!

↓ Price reduction



The new standard in the laboratory with robust tuning fork weighing system

Features

- 1 KERN PNJ: Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- 2 KERN PNS: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- High-quality tuning fork measuring system** for steady weight values and continuous weighing
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value

- Compact size**, practical for small spaces
- Large, shock proof weighing plate made of stainless steel**
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 172×171×160 mm, for models with weighing plate size **A**

Technical data

- Large LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel
A Ø 140 mm
B W×D 190×190 mm, see larger picture
- Overall dimensions W×D×H for models with weighing plate size
A 202×293×266 mm
B 196×293×89 mm

- Net weight for models with weighing plate size

A approx. 2,2 kg

B approx. 2,6 kg

- Permissible ambient temperature 5 °C/40 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PNJ-A01S05, **€ 50,-**
- 3 Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- RS-232/Bluetooth adapter** to connect to Bluetooth capable devices, such as Bluetooth printers, tablets, laptops, smartphones, etc., KERN YKI-02, **€ 190,-**
- RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 750,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD				OPTION				FACTORY	
CAL INT	CAL EXT	RS 232	INTERN	GLP	PCS	%	UNIT	TOL	MULTI
1	2							T-FORK	1 DAY

Model	Weighing range [Max] g	Readout [d]	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M	KERN	€	DKD
KERN											
PNS 600-3	620	0,001	-	-	± 0,004	A	610,-	-	-	963-127	72,-
PNS 3000-2	3200	0,01	-	-	± 0,02	B	580,-	-	-	963-127	72,-
PNS 12000-1	12000	0,1	-	-	± 0,2	B	570,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
PNJ 600-3M	620	0,001	0,01	0,02	± 0,004	A	745,-	965-216	66,-	963-127	72,-
PNJ 3000-2M	3200	0,01	0,1	0,5	± 0,02	B	705,-	965-216	66,-	963-127	72,-
PNJ 12000-1M	12000	0,1	1	5	± 0,2	B	695,-	965-217	77,-	963-128	88,-





Process reliability thanks to automatic internal adjustment and EC type approval [M]

Features

- Automatic internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- 1 Draught shield** standard for models with $[d] = 0,001$ g, weighing space WxDxH 140×140×65 mm

PLJ-C:

- 2 Weighing principle:** Force compensation
- Alibi memory:** electronic archiving of weighing results
- Internal memory** for up to 999 weighing results, 1000 items or recipe ingredients, 100 container weights, 100 users
- 3 USB interface** for transferring weighing data to the PC, printer, USB sticks etc.

PLJ-G:

- 4 Weighing principle:** Strain gauge
- Rechargeable battery pack internal**, standard, operating time up to 45 h, without backlight, charging time approx. 12 h

Technical data

- Backlit LCD display
KERN PLJ-C: digit height 17 mm
KERN PLJ-GM: digit height 19 mm
- Dimensions weighing surface, stainless steel
A WxD 128×128 mm
B WxD 195×195 mm, see larger picture
- Overall dimensions WxDxH
206×333×99,5 mm (without draught shield)
206×333×167,2 mm (incl. draught shield)
- Net weight approx. 4,2 kg
- Permissible ambient temperature
10 °C/40 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN ALS-A02S05, **€ 42,-**
- Set for density determination** of liquids and solids with density $\leq \geq 1$, The density is indicated directly on the display, KERN PLS-A01, **€ 530,-**
- KERN PLJ-C: **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN PLJ-A06, **€ 135,-**
- KERN PLJ-C: **Alibi memory software** for viewing and saving data from the alibi memory onto a PC connected to the system, KERN PET-A16, **€ 300,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD												OPTION		FACTORY			
CAL INT PLJ-C	ALIBI PLJ-C	RS 232 PLJ-C	USB PLJ-C	GLP INTERN PLJ-C	GLP PRINTER PLJ-G	PCS	RECIPE	UNIT	TOL	MOVE	UNDER	ACCU	B MULT DMS	FORCE 21 DAYS	3 YEARS WARRANTY	DAkkS +3 DAYS PLJ-C	WLAN +3 DAYS M

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								MII KERN	€	DKD KERN	€
KERN											
PLJ 300-3CM	360	0,001	0,01	0,02	± 0,004	A	740,-	965-216	66,-	963-127	72,-
PLJ 600-3CM	600	0,001	0,01	0,02	± 0,004	A	780,-	965-216	66,-	963-127	72,-
PLJ 700-3CM	750	0,001	0,01	0,02	± 0,004	A	760,-	965-216	66,-	963-127	72,-
PLJ 3000-2CM	3500	0,01	0,1	0,5	± 0,04	B	730,-	965-216	66,-	963-127	72,-
PLJ 600-2GM	600	0,01	0,1	0,5	± 0,02	A	540,-	965-216	66,-	963-127	72,-
PLJ 6000-1GM	6000	0,1	1	5	± 0,2	B	540,-	965-217	77,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



The classic balance with robust tuning fork measuring system

Features

- 1 KERN EG-N: **Internal adjustment** by rotary knob on the side. Guarantees high degree of accuracy and makes the balance independent of its location
- 2 KERN EW-N: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **GLP/ISO record keeping** of weight values
- **Percentage determination**
- **Weighing with tolerance range**

- **Totalising** of pieces when counting
- **Draught shield** standard for models with weighing plate size A, Weighing space W×D×H 158×130×78 mm

Technical data

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
 - A Ø 118 mm, see larger picture
 - B W×D 170×140 mm
 - C W×D 180×160 mm
- Overall dimensions W×D×H, without draught shield
 - A, B 182×235×75 mm
 - C 192×275×87 mm
- Net weight approx. 1,4 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
 - A, B KERN EG-A05S05, € 50,-
 - C KERN EG-A09S05, € 50,-
- **Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 32 h without backlight, charging time approx. 12 h, for models with weighing plate size
 - A, B KERN EG-A04, € 110,-
 - C KERN EG-A06, € 110,-
- 2 **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size A, KERN EG-A03, € 235,-
- **Loop for underfloor weighing**, not included, for models with weighing plate size
 - A, B KERN EG-A07, € 40,-
 - C KERN EG-A08, € 40,-
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD											
1	2										

OPTION			FACTORY	
			M	+3 DAYS EG-NM

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
									KERN	€	
KERN											
EW 220-3NM	220	0,001	-	-	± 0,002	A	620,-	-	-	963-127	72,-
EW 420-3NM	420	0,001	-	-	± 0,003	A	690,-	-	-	963-127	72,-
EW 620-3NM	620	0,001	-	-	± 0,003	A	770,-	-	-	963-127	72,-
EW 820-2NM	820	0,01	-	-	± 0,01	B	540,-	-	-	963-127	72,-
EW 2200-2NM	2200	0,01	-	-	± 0,01	C	660,-	-	-	963-127	72,-
EW 4200-2NM	4200	0,01	-	-	± 0,02	C	760,-	-	-	963-127	72,-
EW 6200-2NM	6200	0,01	-	-	± 0,03	C	810,-	-	-	963-128	88,-
EW 12000-1NM	12000	0,1	-	-	± 0,2	C	635,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
EG 220-3NM	220	0,001	0,01	0,02	± 0,002	A	760,-	965-216	66,-	963-127	72,-
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	A	830,-	965-216	66,-	963-127	72,-
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	A	930,-	965-201	110,-	963-127	72,-
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	C	820,-	965-216	66,-	963-127	72,-
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	880,-	965-216	66,-	963-127	72,-



PREMIUM



Multifunctional laboratory balance with single-cell weighing system and EC type approval [M]

Features

- 1 KERN PBJ: Automatic internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- 2 KERN PBS: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- Metal housing:** robust and sturdy
- Dosage aid:** High-stability mode and other filter settings can be selected
- Weighing with tolerance range (checkweighing):** a visual signal helps with portioning, dispensing or grading
- Totalising of weights**
- Identification number:** 4 digits, printed on calibration protocol freely programmable

- Automatic data output to the PC/printer** each time the balance is steady
- 3 Draught shield** standard for models with $[d] = 0,001$ g, weighing space WxDxH 180×193×87 mm

Technical data

- Large backlit LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel
 - A WxD 108×105 mm
 - B WxD 180×190 mm, see larger picture
- Overall dimensions WxDxH 209×322×78 mm (without draught shield)
- Net weight approx. 3,2 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
 - A KERN PBS-A01S05, € 35,-
 - B KERN PBS-A02S05, € 55,-
- 4 Set for density determination** of liquids and solids with density $\leq \geq 1$, for models with weighing plate size
 - A KERN PBS-A04, € 1580,-
 - B KERN PBS-A03, € 1580,-
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

- Single-cell advanced technology:
- Fully automatic manufactured weighing cell from one piece of material**
- Stable temperature behaviour**
- Short stabilisation time:** 3 sec
- Shock proof construction**
- High corner load performance**

STANDARD



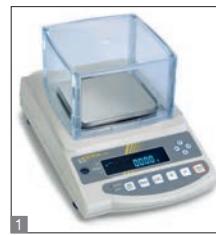
1 2

OPTION



PBj

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M KERN	€	DKD KERN	€
PBS 620-3M	620	0,001	-	-	± 0,002	A	1360,-	-	-	963-127	72,-
PBS 4200-2M	4200	0,01	-	-	± 0,02	B	1150,-	-	-	963-127	72,-
PBS 6200-2M	6200	0,01	-	-	± 0,02	B	1380,-	-	-	963-128	88,-
Note: For applications that require verification, please order verificati on at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
PBJ 620-3M	620	0,001	0,01	0,1	± 0,002	A	1590,-	965-201 I	110,-	963-127	72,-
PBJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	1420,-	965-216 II	66,-	963-127	72,-
PBJ 6200-2M	6200	0,01	0,1	1	± 0,02	B	1720,-	965-202 I	110,-	963-128	88,-
PBJ 8200-1M	8200	0,1	1	5	± 0,2	B	1410,-	965-217 II	77,-	963-128	88,-



Robust laboratory and industrial precision scale for heavy items, with EC type approval [M]

Features

- **2 KERN PEJ: Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use
- **3 KERN PES: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Metal housing**: robust and sturdy
- **Weighing with tolerance range (checkweighing)**: Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- **1 Draught shield** standard for models with $[d] = 0,001$ g, weighing space WxDxH 170x150x100 mm

- **Underfloor weighing**: load support with hook on the underside of the balance, hook not supplied with the product

Technical data

- Fluorescent display, bright with high contrast, digit height 14 mm
- Dimensions weighing surface, stainless steel
 - A** WxD 140x120 mm
 - B** WxD 200x200 mm, see larger picture
 - C** WxD 250x220 mm
- Overall dimensions WxDxH
 - A** 220x330x90 mm (without draught shield)
 - B** 220x339x80 mm (without draught shield)
 - C** 260x330x113 mm (without draught shield)
- Permissible ambient temperature 10 °C/30 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PES-A04S05, **€ 55,-**
- KERN PES: **Rechargeable battery pack internal**, operating time up to 32 h, without backlight, charging time approx. 15 h, KERN PES-A01, **€ 610,-**
- **Relay output** with 5 outputs for weighing in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02, **€ 480,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD										OPTION			FACTORY			
2	3	2 Stück										PES	PEJ			

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification	DAkkS Calibr. Certificate	DKD KERN	DKD KERN
KERN								<input checked="" type="checkbox"/> KERN	<input type="checkbox"/> €	<input checked="" type="checkbox"/> KERN	<input type="checkbox"/> €
PES 620-3M	620	0,001	-	-	± 0,003	A	1280,-	-	-	963-127	72,-
PES 2200-2M	2200	0,01	-	-	± 0,02	B	840,-	-	-	963-127	72,-
PES 4200-2M	4200	0,01	-	-	± 0,02	B	1000,-	-	-	963-127	72,-
PES 6200-2M	6200	0,01	-	-	± 0,03	B	1240,-	-	-	963-128	88,-
PES 15000-1M	15000	0,1	-	-	± 0,2	B	1190,-	-	-	963-128	88,-
PES 31000-1M	31000	0,1	-	-	± 0,4	C	2050,-	-	-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

PEJ 620-3M	620	0,001	0,01	0,1	± 0,003	A	1480,-	965-201	110,-	963-127	72,-
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	B	1040,-	965-216	66,-	963-127	72,-
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	1230,-	965-216	66,-	963-127	72,-



PREMIUM
★★★



Features

- Intuitive operation, increases efficiency and saves costs:** Easy entering of item data at the PC, call up of items on the balance using the connected barcode or RFID scanner, output of weighing data using the large or second display or control outputs, data transfer to the PC, printer or alibi memory
- Enormous database (1GB)** for thousands of weighing results, items, recipes, recipe ingredients, container weights, user data etc.
- Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC. In this way the data related to these processes is documented accurately, efficiently and clearly
- Individual user settings can be stored:** User name and number, Password, Menu language, User profile, Additional guest mode for users without log-in, Authorisations
- Easy entering of item data using the connected barcode or RFID scanner

- Draught shield** standard for models with weighing plate size A, Weighing space W×D×H 140×140×65 mm

Technical data

- Large backlit LCD touch display, digit height 21 mm, screen diagonal 5,7" (115×86 mm)
- Dimensions weighing surface, stainless steel A W×D 128×128 mm, B W×D 195×195 mm
- Overall dimensions W×D×H
 - A 431×221×99 mm, B 250×425×80 mm
 - Permissible ambient temperature 15 °C/35 °C

Accessories

- Suitable printers** and further, extensive accessories see internet

Modes

- Weighing
- Determination stock level
- Checkweighing
- Dispensing
- Percentage determination
- Density
- Animal weighing
- Recipe weighing
- Statistics
- Pipette calibration
- Differential weighing
- Statistical Quality Control (SQC)

Functions

- Capacity display with ①–⑫
- Dispensing aid (–/+), with ④, ⑤
- Net/gross display, permanent, with ①–⑫
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction automatic, with ①–⑫
- Entering of item or batch description, operator etc., with ①–⑫
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ①–⑫
- Date/time, with ①–⑫
- Statistical function, as stand-alone application
- GLP printout, with ①–⑫
- Individual printout configuration ①–⑫

Note: Your KERN product specialist Ingo Schlaich, Tel. +49 [0]7433 9933-158 will be happy to help with all questions of detail

STANDARD												OPTION		FACTORY				
CAL INT	ALIBI	RS 232	USB	LAN	SWITCH	GLP INTERN	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	UNDER	MULTI	NITS FORCE	3 YEARS WARRANTY	DAKKS +3 DAYS	M +3 DAYS

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Price € excl. of VAT ex works €	Options			
							Verification			
							MII KERN	€		
PET 600-3M	600	0,001	0,01	0,02	A	2500,-	965-216	66,-	963-127	72,-
PET 1000-3M	1000	0,001	0,01	0,02	A	2800,-	965-216	66,-	963-127	72,-
PET 2500-2M	2500	0,01	0,1	0,5	B	2400,-	965-216	66,-	963-127	72,-
PET 6000-2M	6000	0,01	0,1	0,5	B	2600,-	965-217	77,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

! ONLY WHILE STOCKS LAST!

Analytical balances

Quick-Finder Analytical balances

Read-out [d]	Weighing range [Max]	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	LAN	RECIPE
For an explanation on the pictos, see the front flap												
0,01 mg	100 g	AET 100-5AM	6500,-	37	21		●		●	●	○	●
0,01 mg	101 g	ABT 100-5NM	1980,-	36	1	○	●			●		●
0,01 0,1 mg	42 120 g	ABT 120-5DNM	2120,-	36	1	○	●			●		●
0,01 0,1 mg	82 220 g	ABT 220-5DNM	2250,-	36	1	○	●			●		●
0,01 0,1 mg	82 220 g	AEJ 200-5CM	1950,-	35	1	○	●		●	●		●
0,01 0,1 mg	82 220 g	AET 200-5DAM	7400,-	37	21		●		●	●	○	●
0,1 mg	82 g	ABJ 80-4NM	1050,-	34	1	○	●			○		●
0,1 mg	82 g	ABS 80-4N	970,-	34	1			●		○		●
0,1 mg	120 g	ABS 120-4N	1030,-	34	1			●		○		●
0,1 mg	120 g	ABJ 120-4NM	1080,-	34	1	○	●			○		●
0,1 mg	120 g	ABT 120-4NM	1490,-	36	1	○	●			●		●
0,1 mg	160 g	ALJ 160-4A	1030,-	33	1		●			●		●
0,1 mg	160 g	ALJ 160-4AM	1050,-	33	1	○	●			●		●
0,1 mg	160 g	ALS 160-4A	930,-	33	1			●		●		●
0,1 mg	160 g	AES 100-4C	1070,-	35	1			●	●	●		●
0,1 mg	160 g	AEJ 100-4CM	1150,-	35	1	○	●		●	●		●
0,1 mg	210 g	ADB 200-4	910,-	32	1			●		●		
0,1 mg	220 g	ABJ 220-4NM	1170,-	34	1	○	●			○		●
0,1 mg	220 g	ABS 220-4N	1070,-	34	1			●		○		●
0,1 mg	220 g	AES 200-4C	1120,-	35	1			●	●	●		●
0,1 mg	220 g	AEJ 200-4CM	1200,-	35	1	○	●		●	●		●
0,1 mg	220 g	ABT 220-4NM	1770,-	36	1	○	●			●		●
0,1 mg	220 g	AET 200-4NM	2800,-	37	21		●		●	●		●
0,1 mg	310 g	ALJ 310-4A	1190,-	33	1		●			●		●
0,1 mg	250 g	ALJ 250-4A	1060,-	33	1		●			●		●
0,1 mg	250 g	ALJ 250-4AM	1090,-	33	1	○	●			●		●
0,1 mg	250 g	ALS 250-4A	980,-	33	1			●		●		●
0,1 mg	320 g	ABS 320-4N	1240,-	34	1			●		○		●
0,1 mg	320 g	ABJ 320-4NM	1340,-	34	1	○	●			○		●
0,1 mg	320 g	ABT 320-4NM	1980,-	36	1	○	●			●		●
0,1 mg	510 g	ALJ 500-4A	1950,-	33	1		●			●		●
0,1 mg	510 g	AET 500-4	6100,-	37	21		●		●	●		●

● = standard ○ = option

Your product specialist's recommendation:

- Large glass draught shield with 3 sliding doors
- Ergonomically optimised keypad for left and righthanded users
- Large weighing space
- Large weighing ranges at a top price



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03

The price leader in analytical balances

Features

- Optimised price performance ratio, ideal for laboratories, universities, schools
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed
- The wired display device** can be adjusted flexibly to suit the ergonomic requirements of the user or the workplace. In addition, it eliminates any heat effect on the weighing system from the display device
- Ergonomically optimised keypad** for left and righthanded users
- Percentage determination:** makes it possible to store a given weight value (100 %) and to determine deviations from this target value
- Adjusting program CAL** for quick setting of the balance accuracy using an external test weight

Technical data

- Large backlit LCD display, digit height 19,6 mm
- Dimensions weighing surface, stainless steel, ø 90 mm
- Overall dimensions W×D×H 305×475×295 mm
- Weighing space W×D×H 215×205×245 mm
- Dimensions of display device W×D×H 190×105×50 mm
- External mains adapter standard, standard EURO/AUS/UK
- Cable length of display device approx. 0,5 m
- Net weight approx. 10 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN ADB-A01S05, **€ 30,-**
- 1 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 930,-**
- 2 Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT	RS 232	GLP	PCS	%	UNIT	MULTI	N T S	FORCE	3 YEARS	DAkkS
									+3 DAYS	

OPTION

Model	Weighing range [Max] g	Readout [d] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Option	
						DAkkS Calibr. Certificate	DKD KERN €
KERN ADB 200-4	210	0,1	0,2	± 0,4	910,-	963-101	138,-



Range of analytical balances, with large weighing ranges, also with EC type approval [M]

Features

- **1 KERN ALJ-A/-AM: Automatic internal adjustment** in the case of a change in temperature 1,2 °C or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- **2 KERN ALS-A: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Ergonomically optimised keypad** for left and righthanded users
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed
- **Compact size**, practical for small spaces
- **Percentage determination**: makes it possible to store a given weight value (100 %) and to determine deviations from this target value

Technical data

- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel, ø 80 mm
- Overall dimensions W×D×H 210×340×330 mm (incl. draught shield)
- Weighing space W×D×H 160×140×205 mm
- Net weight approx. 5,7 kg
- Permissible ambient temperature KERN ALS-A/ALJ-A: 5°C/35°C
KERN ALJ-AM: 15°C/30°C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN ALJ-A01S05, **€ 40,-**
- **Protective dust cover**, KERN ABS-A08, **€ 30,-**
- **3 Set for density determination** of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**
- **4 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 930,-**
- **5 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 900,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

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1 2

OPTION

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FACTORY

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ALJ-AM

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								MI KERN	€	DKD KERN	€
KERN											
ALS 160-4A	160	0,1	-	-	0,1	± 0,3	930,-	-	-	963-101	138,-
ALS 250-4A	250	0,1	-	-	0,1	± 0,3	980,-	-	-	963-101	138,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
ALJ 160-4A	160	0,1	-	-	0,1	± 0,3	1030,-	-	-	963-101	138,-
ALJ 160-4AM	160	0,1	1	10	0,2	± 0,3	1050,-	965-201	110,-	963-101	138,-
ALJ 250-4A	250	0,1	-	-	0,1	± 0,3	1060,-	-	-	963-101	138,-
ALJ 250-4AM	250	0,1	1	10	0,2	± 0,3	1090,-	965-201	110,-	963-101	138,-
ALJ 310-4A	310	0,1	-	-	0,1	± 0,3	1190,-	-	-	963-101	138,-
ALJ 500-4A	510	0,1	-	-	0,2	± 0,4	1950,-	-	-	963-101	138,-



The bestseller in analytical balances, with high-quality single-cell weighing system, also with EC type approval [M]

Features

- 1 ABJ-NM: Automatic internal adjustment** in the case of a change in temperature 2 °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- 2 ABS-N: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- Dosage aid:** High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Automatic data output to the PC/printer** each time the balance is steady

- Identification number:** 4 digits, printed on calibration protocol freely programmable
- ABJ-NM has OIML certification

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, ø 91 mm
- Overall dimensions W×D×H 210×340×325 mm
- Weighing space W×D×H 174×162×227 mm
- Net weight approx. 6 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN ACS-A02S05, € 60,-



- 3 Data interface RS-232**, interface cable included, approx. 1,5 m, KERN ACS-A01, € 75,-
- 4 Set for density determination** of liquids and solids with density $\leq \geq 1$, the density is indicated directly on the display, KERN YDB-03, € 390,-
- 5 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, € 930,-
- 6 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, € 900,-
- Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

- Single-cell advanced technology:
- Fully automatic manufactured weighing cell from one piece of material**
- Stable temperature behaviour**
- Short stabilisation time:** Steady weight values within approx. 3 sec under laboratory conditions
- Shock proof construction**
- High corner load performance**

STANDARD										OPTION		FACTORY		
CAL INT	CAL EXT	GLP	PRINTER	PCS	RECIPE	%	UNIT	TOL	MULTI	SC TECH	1 DAY	3 YEARS WARRANTY	RS 232	DAkkS +3 DAYS
1	2												M	+3 DAYS

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								MI	KERN	DKD	KERN
ABS 80-4N	82	0,1	-	-	0,2	± 0,3	970,-	-	-	963-101	138,-
ABS 120-4N	120	0,1	-	-	0,2	± 0,3	1030,-	-	-	963-101	138,-
ABS 220-4N	220	0,1	-	-	0,2	± 0,3	1070,-	-	-	963-101	138,-
ABS 320-4N	320	0,1	-	-	0,2	± 0,3	1240,-	-	-	963-101	138,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
ABJ 80-4NM	82	0,1	1	10	0,2	± 0,3	1050,-	965-201	110,-	963-101	138,-
ABJ 120-4NM	120	0,1	1	10	0,2	± 0,3	1080,-	965-201	110,-	963-101	138,-
ABJ 220-4NM	220	0,1	1	10	0,2	± 0,3	1170,-	965-201	110,-	963-101	138,-
ABJ 320-4NM	320	0,1	1	10	0,2	± 0,3	1340,-	965-201	110,-	963-101	138,-



Compact high-end analytical balance with useful pipette calibration program and alibi memory

Features

- **1 KERN AEJ-CM: Automatic internal adjustment** in the case of a change in temperature 3 °C or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- **2 Intuitive pipette calibration function** to ensure data integrity and to minimise the risks in the daily work with your pipettes
- Higher weighing speed by switching off the last digit
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Dispensing mode:** By pressing one key you can set all relevant parameters for dispensing
- **KERN AEJ-CM: Alibi memory:** electronic archiving of weighing results
- **Note:** For weighings where verification is mandatory, and which are to be analysed

and processed by a PC, the legislative body requires electronic archiving using a verifiable, non-manipulatable data memory

- **Internal memory** for up to 999 weighing results, 1000 items or recipe ingredients, 100 container weights, 100 users

Technical data

- Large backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel, ø 85 mm
- Overall dimensions W×D×H 206×335×330 mm
- Weighing space W×D×H 168×160×225 mm
- Net weight approx. 5,0 kg
- Permissible ambient temperature
KERN AES: 18 °C/30 °C
KERN AEJ: 10 °C/40 °C



Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN ALS-A02S05, **€ 42,-**
- **3 Set for density determination** of liquids and solids with density $\leq \geq 1$, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**
- **4 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 930,-**
- **5 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 900,-**
- **KERN AEJ-CM: Alibi memory software** for viewing and saving data from the alibi memory onto a PC connected to the system, KERN PET-A16, **€ 300,-**
- **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN PLJ-A06, **€ 135,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD												OPTION		FACTORY			
CAL INT	CAL EXT	MEMORY	ALIBI	RS 232	USB	INTERN	GLP	PCS	RECIPE	% PERCENT	UNIT	TOL	UNDER	MULTI	NITS FORCE		
1														3 YEARS WARRANTY	DAkkS +3 DAYS	WLAN	M +3 DAYS

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options	
								Verification	DAkkS Calibr. Certificate
KERN								M1 KERN	DKD KERN
AES 100-4C	160	0,1	-	-	0,2	$\pm 0,2$	1070,-	-	-
AES 200-4C	220	0,1	-	-	0,2	$\pm 0,2$	1120,-	-	-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

AEJ 200-5CM	82 220	0,01 0,1	1 1	1	0,04 0,1	$\pm 0,1$ 0,2	1950,-	1950,-	965-201	110,-	963-101	138,-
AEJ 100-4CM	160	0,1	1	10	0,2	$\pm 0,3$	1150,-	1150,-	965-201	110,-	963-101	138,-
AEJ 200-4CM	220	0,1	1	10	0,2	$\pm 0,3$	1200,-	1200,-	965-201	110,-	963-101	138,-

↓ Price reduction



PREMIUM



03

The premium model with single-cell weighing system

Features

- Automatic internal adjustment** in the case of a change in temperature 0,5 °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- Dosage aid:** High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Identification number:** 4 digits, printed on calibration protocol freely programmable
- Automatic data output to the PC/printer** each time the balance is steady
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, ø 80 mm
- Overall dimensions WxDxH 217×356×338 mm
- Weighing space WxDxH 168×172×223 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN ABT-A02S05, **€ 50,-**
- 1 Set for density determination** of liquids and solids with density $\leq \geq 1$, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**

- 2 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 930,-**
- 3 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 900,-**
- Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

4 Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material**
- Stable temperature behaviour**
- Short stabilisation time:** Steady weight values within approx. 3 sec under laboratory conditions
- Shock proof construction**
- High corner load performance**

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] g	Readout [d]	Verification value [e]	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M1 KERN	€	DKD KERN	€
KERN											
ABT 120-4NM	120	0,1	1	10	0,1	± 0,2	1490,-	965-201	110,-	963-101	138,-
ABT 220-4NM	220	0,1	1	10	0,1	± 0,2	1770,-	965-201	110,-	963-101	138,-
ABT 320-4NM	320	0,1	1	10	0,1	± 0,3	1980,-	965-201	110,-	963-101	138,-
ABT 100-5NM	101	0,01	1	1	0,05	± 0,15	1980,-	965-201	110,-	963-101	138,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

ABT 120-5DNM	42 120	0,01 0,1	1	1	0,02 0,1	± 0,05 0,2	2170,-	965-201	110,-	963-101	138,-
ABT 220-5DNM	82 220	0,01 0,1	1	1	0,05 0,1	± 0,1 0,2	2370,-	965-201	110,-	963-101	138,-



PREMIUM
★★★



Premium touchscreen analytical balance with the complete range of functions for demanding processes

Features

- Software supported pipette calibration in accordance with ISO 8655:** The user is guided through the pipette calibration procedure step by step, in accordance with the requirements of the norm. This helps to ensure that the pipetting volumes are correct and minimises the risks in daily pipetting work
- Convenient recipe-weighing:** complete recipes with all recipe ingredients and associated target values, names, tolerances, tare weights etc. can be stored. If one recipe ingredient is overweight, then the practical recipe adjustment function for when dosages are exceeded automatically calculates the new target weights of the other ingredients
- Multiplier function:** recipes and their ingredients can be multiplied at will at the press of a button, which is ideal for the production of larger containers, bulk packs etc.
- Electronic level indicator** continuously checks the position of the balance,

sounds an alarm when the device is out of balance and gives visual instructions on how to correct the situation

Technical data

- Large backlit LCD touch display, digit height 21 mm, screen diagonal 5,7" (115×86 mm)
- Dimensions weighing surface, stainless steel, Ø 85 mm
- Dimensions of display device W×D×H 215×156×71 mm
- Overall dimensions W×D×H [d] = 0,01 mg: 200×394×929 mm
[t] [d] = 0,1 mg: 254×270×350 mm
- Weighing space W×D×H 168×160×227 mm
- Dimensions of display device W×D×H 215×156×71 mm
- Permissible ambient temperature 18 °C/30 °C

Accessories

- Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Suitable printers** and further, extensive accessories see internet

Modes

- ① Weighing
- ② Determination stock level
- ③ Checkweighing
- ④ Dispensing
- ⑤ Percentage determination
- ⑦ Animal weighing
- ⑧ Recipe weighing
- ⑨ Statistics
- ⑩ Pipette calibration
- ⑪ Differential weighing
- ⑫ Statistical Quality Control (SOC)

Functions

- Capacity display with ① - ⑫
- Dispensing aid (-/+), with ④, ⑤
- Net/gross display, permanent, with ① - ⑫
- Variable reference quantity, with ②
- Tare deduction automatic, with ① - ⑫
- Entering of item or batch description, operator etc., with ① - ⑫
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ① - ⑫
- Date/time, with ① - ⑫
- Statistical function, as stand-alone application
- GLP printout, with ① - ⑫
- Individual printout configuration ① - ⑫

Note: Your KERN product specialist Ingo Schlaich, Tel. +49 [0]7433 9933-158 will be happy to help with all questions of detail

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options	
								Verification	DAkkS Calibr. Certificate
KERN								MI KERN	DKD KERN
AET 500-4	5 10	0,1	-	-	0,2	± 0,5	6100,-	-	-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
Verification at the factory, we need to know the full address of the location of use.									
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]									
AET 200-5DAM	82 220	0,01 0,1	1	1	0,04 0,1	± 0,1 0,2	7400,-	-	-
AET 100-5AM	100	0,01	1	1	0,05	± 0,1	6500,-	-	-
AET 200-4NM	220	0,1	1	10	0,2	± 0,3	2800,-	965-201	110,-

! ONLY WHILE STOCKS LAST!

Moisture analysers

Moisture analysing is an integral part of production and processing of many raw and finished products and has a crucial impact on the quality of the product.

Moisture analysers are used particularly in the food industry, water resource management (sewage plants, etc.), plastics industry, agriculture and the energy industry (bio-energy plants, etc.).

Determining moisture requires a great deal of experience. Depending on the type of sample and the task involved, various drying processes are used.

KERN has concentrated on the most widely-used drying method: halogen drying, which brings many advantages:

- Sample is evenly warmed from above, without risk of burning the sample surface
- Affordable purchase costs ensure rapid amortisation of the device
- Most common temperature ranges from 35 – 200 °C
- High measuring precision, up to 0.01 %
- Sufficient buffer capacity, weighing range up to 160 g
- Various drying programs (soft drying, standard drying, drying in levels, rapid drying (Boost))

The numerous memories of the KERN moisture analyser are particularly useful, as they hold information on the complete drying processes with drying parameters such as drying time, drying period, drying temperature, display settings, switch off criteria, etc. This saves an enormous amount of time and helps to achieve repeatable results.

On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser.

Determination of drying parameters

We would be pleased to carry out individual analyses on the sample you submit, which will help you when setting the parameters of your moisture analyser and will lead to results which can be reproduced.

KERN 964-243, € 95,-/hour

Temperature calibration by KERN moisture analyzers (factory calibration certificate)

In order to guarantee the comparability of the results of moisture analyses it is crucial that the heating chamber and therefore the sample are maintained at the correct temperature. Over time, for example, deposits or dirt can contaminate the heating chamber of the moisture analyser and this can distort the measuring results. It is therefore necessary to carry out regular temperature calibration.

KERN 964-305, € 140,-

Quick-Finder Moisture analysers

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page				
					For an explanation on the pictos, see the front flap			
0,001 g	50 g	MLS 50-3D	1450,-	42	1	●	●	●
0,001 g	60 g	DBS 60-3	1270,-	40	1	●	●	●
0,001 g	110 g	DAB 100-3	1130,-	39	1	●	●	●
0,001 g	160 g	DLB 160-3A	1170,-	41	1	●	●	●

● = standard ○ = option

HIGH-LIGHT



Your product specialist's recommendation:

Powerful halogenquartz glass heater 400 W

High level of process reliability thanks to drying programs which can be stored

Display of the drying process in conjunction with BalanceConnection SCD 4.0 software (see page 165)



Jesús Martínez

Product specialist Moisture analysers

Tel. +49 [0] 7433 9933-209

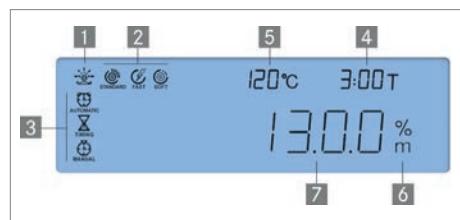
Fax +49 [0] 7433 9933-29209

jesus.martinez@kern-sohn.com

KERN DBS

1270,-

► page 40



Moisture analyser with user-friendly graphics display and 15 memories for drying programs

Features

- Backlit graphic display, digit height 14 mm
- 1 Drying process active
- 2 Active heating profile
- 3 Active switch-off criteria
- 4 Previous drying time
- 5 Current temperature
- 6 Current moisture content in %
- **Halogen quartz glass heater** 400 W
- **Observation window above the sample**, useful during initial setting

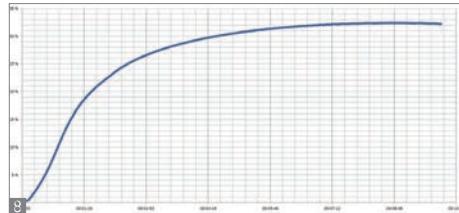
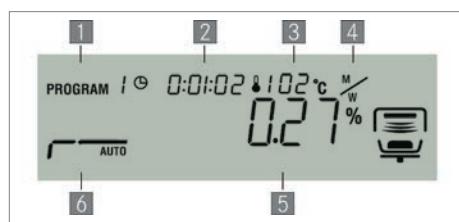
- **Internal memory** for automatic sequence of 15 complete drying processes and 5 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- **50 sample plates included**
- **Application handbook:** On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

Accessories

- **Sample plates aluminium, Ø 90 mm.** Unit of 80 pieces, KERN MLB-A01A, **€ 45,-**
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Box with 100 pieces, KERN RH-A02, **€ 80,-**
- **Temperature calibration set** consists of measuring sensor and display device, KERN DAB-A01, **€ 190,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/Bluetooth adapter** to connect to Bluetooth capable devices, such as Bluetooth printers, tablets, laptops, smartphones, etc., KERN YKI-02, **€ 190,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 750,-**
- **Thermal printer**, KERN YKB-01N, **€ 290,-**



Model KERN	DAB 100-3
Readout [d]	0,001 g/0,01 %
Weighing range [Max]	110 g
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M) from wet weight (W)	0 - 100 %
Dry content [%] = Dry weight (D) from W	100 - 0 %
Moisture content (M)	Absolute value in [g]
Temperature range	35 °C - 160 °C in steps up to 1 °C
Drying modes	<input checked="" type="checkbox"/> Standard drying <input checked="" type="checkbox"/> Gentle drying <input checked="" type="checkbox"/> Rapid drying
Switch off criteria	• Automatic switch off (2 mg loss in weight in 45 s) • Time controlled switch off (3 min - 99 h 59 min, 10 s increments) • Manual switch off at the press of a button
Log output	• At the end of the drying process, manual or automatic (Only in connection with KERN YKC-01)
Overall dimensions WxDxH	240x365x180 mm
Net weight	4,82 kg
Price €, excl. of VAT, ex works	1130,-
Option DAkkS Calibr. Certificate	963-127, € 72,-



Moisture analyser with graphics display and 10 memories for drying programs

Features

- Backlit graphic display, digit height 15 mm
- 1 Drying program
- 2 Previous drying time
- 3 Current temperature
- 4 Unit for displaying the results
- 5 Current moisture content in %
- 6 Active heating profile

- Halogen quartz glass heater 400 W
- Observation window above the sample, useful during initial setting
- Internal memory for automatic sequence of 10 complete drying processes and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement

- Sample description for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- Date and time display as standard
- 10 sample plates included
- Application handbook: On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

STANDARD						OPTION		
CAL EXT	MEMORY	RS 232	GLP	UNIT	230 V	NIST FORCE	1 DAY	3 YEARS WARRANTY

Model KERN	DBS 60-3
Readout [d]	0,001 g/0,01 %
Weighing range [Max]	60 g
Reproducibility weight of sample 2 g	0,15 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M) from wet weight (W)	0-100 %
Dry content [%] = Dry weight (D) from (W)	100-0 %
ATRO [%] [(W-D) : D] · 100%	0-999 %
Moisture content (M)	Absolute value in [g]
Temperature range	50 - 200 °C in steps up to 1 °C
Drying modes	<ul style="list-style-type: none"> ✓ Standard drying ✓ Drying in levels ✓ Gentle drying ✓ Rapid drying
Switch off criteria	<ul style="list-style-type: none"> • Automatic unrestricted switch off (Selectable loss in weight 0,01%-0,1% in 30 s) • Time controlled switch off (1 min - 12 h) • Manual switch off at the press of a button
Recall of measurement/ Log output	Interval can be set from 1 sec - 10 min (Only when used with printer KERN YKB-01 or PC)
Overall dimensions WxDxH	202×336×157 mm
Net weight	approx. 4,2 kg
Price €, excl. of VAT, ex works	1270,-
Option DAkkS Calibr. Certificate	963-127, € 72,-

Accessories

- Protective working cover, standard, can be re-ordered, scope of delivery: 5 items, KERN DBS-A03S05, **€ 65,-**
- Sample plates aluminium, ø 90 mm. Unit of 80 pieces, KERN MLB-A01A, **€ 45,-**
- Round fiberglass filter e.g. for samples that splash or become encrusted. Box with 100 pieces, KERN RH-A02, **€ 80,-**
- 7 Temperature calibration set consists of measuring sensor and display device, KERN DBS-A01, **€ 480,-**
- USB interface kit for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software Balance Connection, KERN DBS-A02, **€ 290,-**
- 8 Display of the drying process in conjunction with BalanceConnection, KERN SCD-4.0, **€ 150,-**
- Thermal printer, KERN YKB-01N, **€ 290,-**



04

The moisture analyser for heavy, high-volume samples

Features

- Backlit LCD display, digit height 17 mm
- 1 Current moisture content in %
- 2 Unit for displaying the results
- 3 Drying process active
- **Halogen quartz glass heater** 400 W
- **Internal memory** for automatic sequence of 5 complete drying processes
- The last value measured remains on the display until it is replaced by a new measurement
- **10 sample plates included**
- **Application handbook:** On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

STANDARD								OPTION	
CAL EXT	MEMORY	RS 232	GLP	PRINTER	UNIT	230 V	DMS	1 DAY	DAkkS +3 DAYS

Accessories

- **Sample plates aluminium, Ø 90 mm.** Unit of 80 pieces, KERN MLB-A01A, **€ 45,-**
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Box with 100 pieces, KERN RH-A02, **€ 80,-**
- **Temperature calibration set** consists of measuring sensor and display device, KERN DLB-A01, **€ 290,-**
- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN ALJ-A01S05, **€ 40,-**
- **Thermal printer**, KERN YKB-01N, **€ 290,-**

Model KERN	DLB 160-3A
Readout [d]	0,001 g/0,01 %
Weighing range [Max]	160 g
Reproducibility, weight of sample 10 g	0,05 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M) from wet weight (W)	0–100 %
Dry content [%] = Dry weight (D) from W	100–0 %
ATRO [%] [(W-D) : D] · 100%	0–999 %
Moisture content (M)	Absolute value in [g]
Temperature range	35 °C – 160 °C in steps up to 1 °C
Drying modes	<input checked="" type="checkbox"/> Standard drying <input type="checkbox"/> Rapid drying, Pre-heat level, can be switched on
Switch off criteria	• Automatic unrestricted switch off (Selectable loss in weight 0,1%–9,9% in 60 s) • Time controlled switch off (1 min – 99 min) • Manual switch off at the press of a button
Log output	• Continuous output (residual weight) • At the end of the drying process, manual or automatic (Only in connection with KERN YKB-01N printer or PC)
Overall dimensions WxDxH	210×340×225 mm
Net weight	approx. 4,2 kg
Price €, excl. of VAT, ex works	1170,-
Option DAkkS Calibr. Certificate	963-127, € 72,-

Price reduction



Infrared moisture analyzer with graphics display and a vast database

Features

- Backlit graphic display, digit height 14 mm

A Display during the drying process:

- 1 Current moisture content in %
- 2 Drying process active
- 3 Active result display
- 4 Active heating profile
- 5 Active switch-off criteria
- 6 Stability display

7 Previous drying time

8 Current temperature

B Display after the drying process:

- 9 End result moisture content in %
- 10 Drying process has finished
- 11 Drying period
- Infrared heater** 400 W
- Observation window above the sample**, useful during initial setting

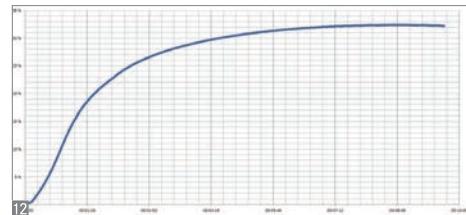
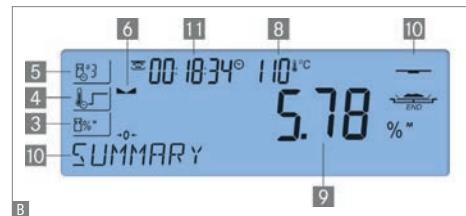
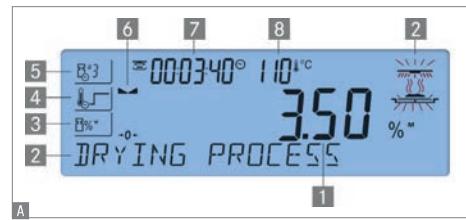
STANDARD



OPTION



Model KERN	MLS 50-3D
Readout [d]	0,001 g/0,01 %
Weighing range [Max]	50 g
Reproducibility weight of sample 2 g	0,1 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M) from wet weight (W)	0-100 %
Dry content [%] = Dry weight (D) from W	100-0 %
ATRO [%] [(W-D) : D] · 100%	0-999 %
Moisture content (M)	Absolute value in [g]
Temperature range	40 °C - 160 °C in Schritten zu 1 °C
Drying modes	<ul style="list-style-type: none"> □ Standard drying □ Drying in levels □ Gentle drying □ Rapid drying
Switch off criteria	<ul style="list-style-type: none"> • Automatisches Abschalten (AUTO 1 - 5) • Automatisches freies Abschalten (wählbar 1-10 mg / 10 - 120 s) • Zeitgesteuertes Abschalten (1min - 99h 59 min) • Manuelles Abschalten per Tastendruck
Recall of measurement / Log output	Manuell oder automatisch, Intervall einstellbar von 1 sec - 5 min (Nur in Verbindung mit Drucker KERN YKB-01N oder PC)
Overall dimensions WxDxH	206x333x192 mm
Net weight	ca. 4,9 kg
Price €, excl. of VAT, ex works	1450,-
Option DAkkS Calibr. Certificate	963-127, € 72,-



- Balance contains memory** for automatic sequence of 100 complete drying programs (92 drying programs with optimised drying characteristics for rapid sample warming and therefore shorter drying times, pre-installed at factory), 100 users with related authorisations, 1.000 drying processes performed and 1.000 weighing results (ring memory)
- The last value measured remains on the display until it is replaced by a new measurement
- 10 sample plates included**
- Application handbook:** On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN ALS-A02S05, **€ 42,-**
- Sample plates aluminium**, ø 90 mm. Unit of 80 pieces, KERN MLB-A01A, **€ 45,-**
- Round fiberglass filter** e.g. for samples that splash or become encrusted. Box with 100 pieces, KERN RH-A02, **€ 80,-**
- Temperature calibration set** consists of measuring sensor and display device, KERN MLB-A12., **€ 720,-**
- Display of the drying process** in conjunction with BalanceConnection, KERN SCD-4.0, **€ 150,-**
- Thermal printer**, KERN YKB-01N, **€ 290,-**

Bench scales

Compact industrial weighing technology

Thanks to their compact dimensions, low weight, robust internal mechanism and the fact that they can be operated independent of mains power, bench scales can be used not only in a stationary situation, but also as mobile scales.

With weighing ranges between 3 kg and 65 kg, bench scales can cover a wide range of applications. Whether as a commissioning scale in the warehouse, for inventory purposes, on a production work station, in quality control, in small workshops, in service cars or in sales offices, bench scales are the first choice.

Durable stainless steel weighing plates, easy to read backlit displays, useful functions such as piece counting, PRE-TARE – subtraction of a known container weight, or ▶ **interfaces** to PC and printer, all these support the users in their daily work.

▶ **Dual range** scales cover a particularly wide range of applications. With these scales, the total weighing range is divided into 2 subranges and begins with a high resolution read-out in the fine weighing range. If this range is exceeded the balance automatically switches to the higher weighing range with the lower resolution read-out.

All KERN bench scales have an adjustment program (CAL) to adjust the accuracy. In this way, the high level of accuracy is guaranteed at all times, even during harsh everyday use. Find the right test weights for you, see page 171.

Touchscreen balances

The newest development for an even greater level of user-friendliness is the intuitive touchscreen operation, which is being integrated into new KERN models, see page 30 (PET), 37 (AET), 52/53 (FKT), 158 (FKTF), 77 (FKA), 78 (FKC), 104/105 (IKT), 108 (ILT)

NEW FOR 2017: a high-quality touchscreen bench scale range (KERN GAT, page 54/55) and touchscreen platform scale range (KERN IFT, page 106/107). Thanks to the intuitive touchscreen concept and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balances can be used easily by inexperienced users, straightaway. For the professional user, the balances also provide convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker. Through a large memory, e.g. for item master data, weighing data etc. the balances are the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation. Thanks to the high level of connectivity it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS 232 or USB and this means that this range can be used for many different functions in Industry 4.0 applications.

▶ See the glossary on page 199–201

Your product specialist's recommendation:

- ◀ **Suitable for a wide variety of uses, e.g. dispatch, catering trade, cafeterias, etc.**
- ◀ **Designed for mobile use**
- ◀ **Rapid and steady weighing results**



Edeltraud Semma-Hauser
Product specialist Bench scales

Tel. +49 [0]7433 9933-140
Fax +49 [0]7433 9933-29140
semma-hauser@kern-sohn.com

HIGH-LIGHT



only €
195,-

▶ page 47

KERN FCF

Quick-Finder Bench scales

Read-out [d]	Weighing range [Max]	Weighing plate WxD mm	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	PCS	TOL	MOVE	BATT	ACCU
						For an explanation on the pictos, see the front flap									
0,02 g	6 kg	340×240	FKB 6K0.02	520,-	51	1	●		●	●	●	●	●	●	○
0,02 g	6 kg	340×240	FKT 6K0.02L	890,-	52	1	●	●	●	●	●	●	●	●	●
0,05 g	6 kg	294×225	GAB 6K0.05N	300,-	50	1	●			●	●	●	●	●	○
0,05 g	8 kg	340×240	FKB 8K0.05	480,-	51	1	●			●	●	●	●	●	○
0,05 g	16 kg	340×240	FKB 16K0.05	580,-	51	1	●			●	●	●	●	●	○
0,05 g	16 kg	340×240	FKT 16K0.05L	890,-	52	1	●	●	●	●	●	●	●	●	●
0,1 g	12 kg	294×225	GAB 12K0.1N	300,-	50	1	●			●	●	●	●	●	○
0,1 g	16 kg	340×240	FKB 16K0.1	480,-	51	1	●			●	●	●	●	●	○
0,1 g	3000 g	253×229	FCB 3K0.1	220,-	48	1				●	●	●	●	●	○
0,1 g	3000 g	253×228	FCF 3K-4	195,-	47	1	●				●	●	●	●	○
0,1 g	36 kg	340×240	FKT 36K0.1L	890,-	52	1	●	●	●	●	●	●	●	●	●
0,1 g	36 kg	340×240	FKB 36K0.1	550,-	51	1	●			●	●	●	●	●	○
0,1 g	8 kg	252×228	FCB 8K0.1	240,-	48	1				●	●	●	●	●	○
0,1 g	8 kg	340×240	FKB 8K0.1A	300,-	49	1	●			●	●	●	●	●	○
0,1 g	8 kg	340×240	FKB 8K0.1M	560,-	51	1	○	●		●	●	●	●	●	○
0,2 g	6 kg	300×225	GAT 6K-4	1150,-	54	1	●	●	●	●	●	●	●	●	○
0,2 g	30 kg	294×225	GAB 30K0.2N	300,-	50	1	●			●	●	●	●	●	○
0,2 g	36 kg	340×240	FKB 36K0.2	510,-	51	1	●			●	●	●	●	●	○
0,2 g	65 kg	340×240	FKB 65K0.2	550,-	51	1	●			●	●	●	●	●	○
0,2 g	65 kg	340×240	FKT 65K0.2L	890,-	52	1	●	●	●	●	●	●	●	●	●
0,5 g	15 kg	300×225	GAT 10K-4	1150,-	54	1	●	●	●	●	●	●	●	●	○
0,5 g	15 kg	340×240	FKB 15K0.5A	290,-	49	1	●			●	●	●	●	●	○
0,5 g	30 kg	340×240	FKT 30K0.5L	790,-	52	1	●	●	●	●	●	●	●	●	●
0,5 g	6 kg	252×228	FCB 6K0.5	195,-	48	1				●	●	●	●	●	○
0,5 g	65 kg	340×240	FKB 65K0.5	510,-	51	1	●			●	●	●	●	●	○
1 g	3 kg	252×228	FCE 3K1N	110,-	46	1	●								○
1 g	6 kg	340×240	FKT 6K1LM	890,-	53	1	○	●	●	●	●	●	●	●	○
1 g	12 kg	252×228	FCB 12K1	185,-	48	1				●	●	●	●	●	○
1 g	15 kg	340×240	FKB 15K1A	260,-	49	1	●			●	●	●	●	●	○
1 g	30 kg	253×228	FCF 30K-3	195,-	47	1	●			●	●	●	●	●	○
1 g	30 kg	253×227	FCB 30K1	220,-	48	1				●	●	●	●	●	○
1 g	30 kg	340×240	FKB 30K1A	290,-	49	1	●			●	●	●	●	●	○
1 g	30 kg	300×225	GAT 30K-3	1150,-	54	1	●	●	●	●	●	●	●	●	○
1 g	60 kg	340×240	FKT 60K1L	790,-	52	1	●	●	●	●	●	●	●	●	●
1 g	65 kg	340×240	FKB 65K1A	300,-	49	1	●			●	●	●	●	●	○
1 g	65 kg	340×240	FKB 65K1M	580,-	51	1	○	●		●	●	●	●	●	○
1 2 g	3 6 kg	294×225	GAB 6K1DNM	230,-	50	1	○	●	●	●	●	●	●	●	○
2 g	6 kg	252×228	FCE 6K2N	110,-	46	1	●								○
2 g	12 kg	340×240	FKT 12K2LM	890,-	53	1	○	●	●	●	●	●	●	●	○
2 g	24 kg	252×228	FCB 24K2	185,-	48	1				●	●	●	●	●	○
2 5 g	6 15 kg	294×225	GAB 15K2DNM	230,-	50	1	○	●	●	●	●	●	●	●	○
5 g	10 kg	320×260	ECE 10K-3N	99,-	45	1	●								○
5 g	10 kg	320×260	ECB 10K-3N	120,-	45	1	●								○
5 g	15 kg	252×228	FCE 15K5N	110,-	46	1	●								○
5 g	30 kg	340×240	FKT 30K5LM	890,-	53	1	○	●	●	●	●	●	●	●	○
5 10 g	15 30 kg	294×225	GAB 30K5DNM	230,-	50	1	○	●	●	●	●	●	●	●	○
10 g	20 kg	320×260	ECE 20K-2N	99,-	45	1	●								○
10 g	20 kg	320×260	ECB 20K-2N	120,-	45	1	●								○
10 g	30 kg	252×228	FCE 30K10N	110,-	46	1	●								○
10 g	60 kg	340×240	FKT 60K10LM	890,-	53	1	○	●	●	●	●	●	●	●	○
20 g	50 kg	320×260	ECE 50K-2N	99,-	45	1	●								○
20 g	50 kg	320×260	ECB 50K-2N	120,-	45	1									○

NEW 2017

● = standard ○ = option



Plain, mobile, uncomplicated

Features

- High mobility:** Battery operation, compact, lightweight construction, recessed grips on the underside and low weight make this balance ideal for use in several locations
- Particularly large weighing plate
- Very fast display:** steady weight values within 2 s
- Simple and convenient 2-key operation**

Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface W×D 320×260 mm
- Weighing plate material
 - ECE-N: plastic
 - ECB-N: stainless steel, see larger picture
- Overall dimensions W×D×H 320×300×60 mm
- Optional battery operation, 6×1.5 V AA not included, operating time up to 100 h, AUTO-OFF function to preserve the battery
- Net weight
 - ECE-N: approx. 1,6 kg
 - ECB-N: approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Rechargeable battery pack internal,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN PCB-A01, € 75,-
- Rechargeable battery pack external,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 180,-
- Tare pan made of stainless steel,** ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-
- External universal mains adapter,** with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-03, € 31,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD		OPTION		
CAL EXI	BATT	DMS	1 DAY	2 YEARS WARRANTY

OPTION	ACCU	MULTI	DAKKS
		+3 DAYS	

Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option	
						DAKKS Calibr. Certificate	DKD KERN
KERN							
ECE 10K-3N	10	5	5	± 20	99,-	963-128	88,-
ECE 20K-2N	20	10	10	± 40	99,-	963-128	88,-
ECE 50K-2N	50	20	20	± 80	99,-	963-128	88,-
ECB 10K-3N	10	5	5	± 20	120,-	963-128	88,-
ECB 20K-2N	20	10	10	± 40	120,-	963-128	88,-
ECB 50K-2N	50	20	20	± 80	120,-	963-128	88,-



Entry-level bench scale – mobile, practical, lightweight

Features

- Simple and convenient 2-key operation
- Very fast display: steady weight values within 3 s
- 1 Ideal as a compact letter and parcel scale, especially where space is limited
- 2 Ideal as a grading, commissioning or simple checkweighing scale in production or dispatch

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface, plastic, W×D 252×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,2 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover, standard, can be re-ordered, scope of delivery: 5 items, KERN FCB-A02S05, € 35,-
- B Stainless steel weighing plate, robust, removable, for easy cleaning, KERN FCE-A01, € 35,-
- Rechargeable battery pack internal, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, € 50,-



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option	
						DAkkS Calibr. Certificate	DKD KERN €
KERN							
FCE 3K1N	3	1	2	± 3	110,-	963-127	72,-
FCE 6K2N	6	2	2	± 4	110,-	963-128	88,-
FCE 15K5N	15	5	10	± 15	110,-	963-128	88,-
FCE 30K10N	30	10	10	± 30	110,-	963-128	88,-



Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry and gastronomy

Features

- Simple and convenient 5-key operation**
- Very fast display:** steady weight values within 3 s
- Ideal as a
 - compact letter and parcel scale, especially in constricted spaces
 - grading or commissioning balance or simple checkweigher in production or dispatch
 - Checkweigher in the catering trade, cafeterias, school kitchens
- High mobility:** thanks to Battery operation/rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 253x228 mm
- Overall dimensions WxDxH 270x345x106 mm
- Optional battery operation, 9 V Block not included, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCF-A01S05, **€ 35,-**
- Rechargeable battery pack external**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 40,-**

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	DKD KERN
KERN								
FCF 3K-4	3	0,1	0,1	± 0,3	0,2	195,-	963-127	72,-
FCF 30K-3	30	1	1	± 3	2	195,-	963-128	88,-



05

Bench scale with second display on the backside of the scale

Features

- 1 Second display** on the rear of the balance
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- High mobility:** thanks to Battery operation/rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 252×228 mm
- Overall dimensions WxDxH 270×345×106 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FCB-A02S05, **€ 35,-**
- Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- Suitable printers** see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	KERN
FCB 3K0.1	3	0,1	0,1	± 0,3	0.2	220,-	963-127	72,-
FCB 8K0.1	8	0,1	0,1	± 0,3	0.2	240,-	963-128	88,-
FCB 6K0.5	6	0,5	0,5	± 1,5	1	195,-	963-128	88,-
FCB 12K1	12	1	1	± 3	2	185,-	963-128	88,-
FCB 30K1	30	1	1	± 3	2	220,-	963-128	88,-
FCB 24K2	24	2	2	± 6	4	185,-	963-128	88,-



Bench scale up to 65 kg with large weighing plate

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **1 Particularly practical:** thanks to the large weighing ranges and compact dimensions, you can accurately weigh heavy loads in the most restricted spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 340×240 mm
- Overall dimensions WxDxH 350×390×120 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN PCB-A01, € 75,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Option	
							DAKks Calibr. Certificate	DKD KERN
KERN								
FKB 8K0.1A	8	0,1	0,1	± 0,3	0,2	300,-	963-128	88,-
FKB 15K0.5A	15	0,5	0,5	± 1,5	1	290,-	963-128	88,-
FKB 15K1A	15	1	1	± 2	2	260,-	963-128	88,-
FKB 30K1A	30	1	1	± 3	2	290,-	963-128	88,-
FKB 65K1A	65	1	1	± 3	2	300,-	963-129	105,-



Application examples

- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Mobile weighing of freshly picked fruit on site
- Checkweigher in supermarkets
- High-precision industrial applications, piece counting or stock-taking

Note:

Official verification duty for commercial trade

Checkweighing and portioning scale, also with EC type approval [M]

Features

- **Compact size**, practical for small spaces
- **High mobility**: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Weighing with tolerance range (check-weighing)**: a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights

Technical data

- Large backlit LCD display, digit height 24 mm
- Dimensions weighing surface, stainless steel, WxD 294×225 mm

- Overall dimensions WxDxH 320×330×125 mm
- Net weight approx. 3 kg
- Permissible ambient temperature GAB-N: 0°C/40°C
GAB-M: -10°C/40°C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **1 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**

- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN CFS-A05, **€ 120,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT	RS 232	PCS	SUM	% PERCENT	UNIT	TOL	MULTI	DMS	1 DAY	2 YEARS WARRANTY	OPTION	DAkkS	FACTORY
													GAB-DNM

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
							KERN	€	KERN	€
GAB 6K0.05N	6	0,05	-	-	0,05	300,-	-	-	963-128	88,-
GAB 12K0.1N	12	0,1	-	-	0,1	300,-	-	-	963-128	88,-
GAB 30K0.2N	30	0,2	-	-	0,2	300,-	-	-	963-128	88,-

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

GAB 6K1DNM	3 6	1 2	1 2	20	0,2	230,-	965-228	55,-	963-128	88,-
GAB 15K2DNM	6 15	2 5	2 5	40	0,5	230,-	965-228	55,-	963-128	88,-
GAB 30K5DNM	15 30	5 10	5 10	100	1	230,-	965-228	55,-	963-128	88,-



Large, high resolution bench scale,
also with EC type approval [M]

Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else
- Particularly practical:** thanks to the large weighing ranges and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.

Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 340×240 mm
- Dimensions housing WxDxH 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included, operating time up to 40 h
- Net weight approx. 7 kg
- Permissible ambient temperature
KERN FKB: 10 °C/40 °C
KERN FKB-M: 10 °C/30 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- KERN FKB: Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT	RS 232	PCS	RECIPE	%	UNIT	MOVE	UNDER	BATT	MULTI	DMS	1 DAY	3 YEARS
FKB												

OPTION

ACCU	DAkkS
+3 DAYS	

FACTORY

M
+3 DAYS

FKB-M

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
							MII KERN	€	DKD KERN	€
KERN										
FKB 6K0.02	6	0,02	-	-	0,02	520,-	-	-	963-128	88,-
FKB 8K0.05	8	0,05	-	-	0,05	480,-	-	-	963-128	88,-
FKB 16K0.05	16	0,05	-	-	0,05	580,-	-	-	963-128	88,-
FKB 16K0.1	16	0,1	-	-	0,1	480,-	-	-	963-128	88,-
FKB 36K0.1	36	0,1	-	-	0,1	550,-	-	-	963-128	88,-
FKB 36K0.2	36	0,2	-	-	0,2	510,-	-	-	963-128	88,-
FKB 65K0.2	65	0,2	-	-	0,2	550,-	-	-	963-129	105,-
FKB 65K0.5	65	0,5	-	-	0,5	510,-	-	-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

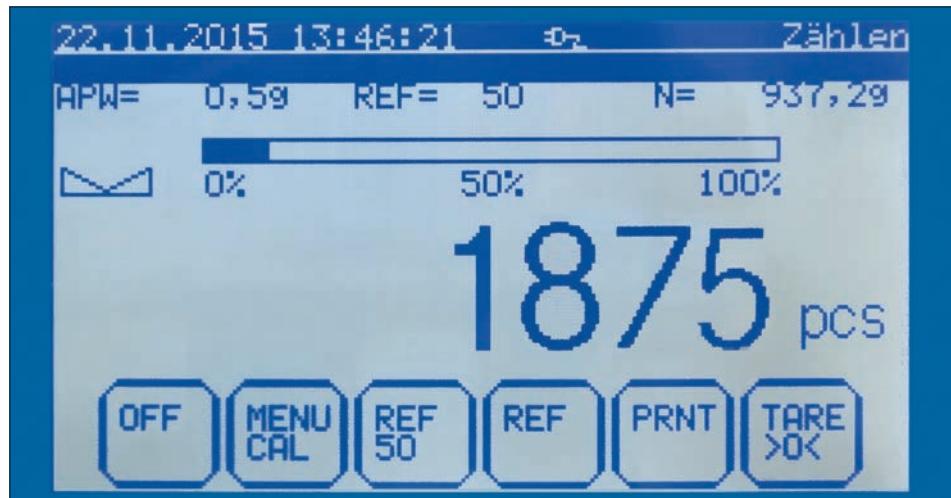
FKB 8K0.1M	8	0,1	1	5	0,1	560,-	965-217	77,-	963-128	88,-
FKB 65K1M	65	1	10	50	1	580,-	965-218	110,-	963-129	105,-



Alibi memory

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)
 - Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten
 - In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved
 - Saved measuring results can be searched and recalled easily
 - The alibi memory can also be used for applications which do not require verification
 - Complies with WELMEC 2.5

Touchscreen industrial scale with enormous range of functions, also with EC type approval [M]



Innovative touchscreen:

Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading

Advantages:

- The menu and processes are self-explanatory
 - No more errors or lost time through keys which have several functions or unclear markings
 - Large keys, which can also be operated while wearing gloves
 - More efficient and faster working



Easy input of text and values

Using large keypad, e.g. packaging weights, item descriptions, user name, etc.

80 memories for each mode

e.g. for Checkweighing, PRE-TARE, reference weight, target value when dispensing, item descriptions, user name, weights for tare containers, etc. Easy to enter using the large-scale keypad

Weighing with tolerance range (check-

weighing): Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading

Features

- Convenient recipe weighing:** 99 In recipes with 10 components each can be stored in plain text. There is a function to adjust the other components if the initial weight was too high. The actual values and the desired values well as the proportionate percentages can be printed afterwards.. The recipes can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface. Alternatively, the recipes can also be entered directly using the keypad
- Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- Rapid function** for shortened stabilisation time with reduced readout
- 16 print forms** which can store up to 20 different information, such as, e.g., date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface
- Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35V / 80mA)
- Hook for underfloor weighing** standard

Technical data

- Backlit LCD touch display, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 340x240 mm
- Overall dimensions WxDxH 350x390x120 mm
- Optional battery operation, 6x1.5 V Size C not included, operating time up to 20 h
- Permissible ambient temperature 10 °C/40 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Modes

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising with daily total
- ⑦ Percentage determination
- ⑧ Animal weighing
- ⑨ Surface weight
- ⑩ Density determination, not for [M]
- ⑪ Rapid function, not for [M]

Functions

- Capacity display with ①–②, ⑤–⑦, ⑨–⑪
- Dispensing aid (-/+), with ③, ④
- Net/gross display, permanent, with ①, ③–⑤, ⑧–⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①–⑦, ⑪
- Entering of item or batch description, operator etc., with ①–⑦, ⑪
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ⑨
- Date/time, with ①–⑪
- Statistical function, with ①
- GLP printout, with ①–⑪
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ①–⑪

STANDARD														OPTION		FACTORY						
CAL EXT	MEMORY	ALIBI	RS 232	PCS	RECIPE	B	%	SUM	PERCENT	UNIT	TOL	MOVE	UNDER	ACCU	BATT	MULTI	DMS	1 DAY	3 YEARS WARRANTY	DAkkS +3 DAYS	M +3 DAYS	FKT-M

Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Options										
							Verification MII KERN	DAkkS Calibr. Certificate KERN									
KERN																	
FKT 30K0.5L	30	0,5	0,5	± 1	0,5	790,-	-	-	963-128	88,-							
FKT 60K1L	60	1	1	± 2	1	790,-	-	-	963-129	105,-							
High resolution readout																	
FKT 6K0.02L	6	0,02	0,04	± 0,1	0,02	890,-	-	-	963-128	88,-							
FKT 16K0.05L	16	0,05	0,1	± 0,25	0,05	890,-	-	-	963-128	88,-							
FKT 36K0.1L	36	0,1	0,2	± 0,5	0,1	890,-	-	-	963-128	88,-							
FKT 65K0.2L	65	0,2	0,4	± 1	0,2	890,-	-	-	963-129	105,-							
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.																	
Verification at the factory, we need to know the full address of the location of use.																	
FKT 6K1LM	6	1	0,5	± 0,5	1	890,-	965-228	55,-	963-128	88,-							
FKT 12K2LM	12	2	1	± 1	1	890,-	965-228	55,-	963-128	88,-							
FKT 30K5LM	30	5	2,5	± 2,5	5	890,-	965-228	55,-	963-128	88,-							
FKT 60K10LM	60	10	5	± 5	10	890,-	965-229	93,-	963-129	105,-							



KERN Easy-Touch bench scale – the intuitive way to weigh



Convenient piece-counting function

Standard use: Direct input of the reference quantity or the reference weight.
Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: Select item – Load – Count – done!

Fill-to-target function: Programmable target quantity or target weight. A signal will be displayed when the target value is reached. A colour bar graph shows whether the quantity removed is below the limit (blue), is within the specified tolerances (green) or is above the limit (red). This means that the same target value can always be counted and picked, efficiently and accurately.

Convenient weighing with tolerance range (Checkweighing)

Standard use: Direct input of the tolerances in gramm or percent.
Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when portioning, dosing or sorting: Select item – Load – Check – done!



1



2

Features

- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker.
- Through a **large memory**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- ① Thanks to the high level of **connectivity** it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications

Convenient recipe weighing

Standard use: Direct input of the recipe ingredients in grams or percent
 Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing:
 Select recipe – Weigh – done!

- A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately).
- **Take-Off function:** allows you to remove the same quantity every time, e.g. when portioning in cafeterias or when picking small parts. A colour bar graph shows whether the quantity removed is below the limit or within the specified tolerances (blue) or is above the limit (red)
- **Classifying:** Similar objects are automatically classified according to their weight into predetermined classes.
- **AUTO-PRINT function:** Automatic printing of the weighing result when the weighing value remains unchanged. The printing function as well as the content of the print-out can be adjusted individually depending on the operating mode
- **Remote control of the balance** using external switches or computers through KCP (KERN Communication Protocol), compatible with the large SICS command set (Standard Interface Command Set, Level 0/1)
- ② The battery compartment of the device can be opened easily, which means it is possible to change the rechargeable batteries without having to use any tool or break any verification seal labels etc.

Technical data

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Dimensions weighing surface, stainless steel, W×D 300×225 mm
- Overall dimensions W×D×H 315×350×120 mm

Accessories

- **Rechargeable battery pack internal**, operating time up to 10 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- **Software** for rapid and easy processing of the database at the PC (exporting, processing, importing), KERN SET-1.0, **€ 150,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	DKD KERN €
GAT 6K-4	6	0,2	0,4	± 0,6	0,2	1150,-	963-128	88,-
GAT 10K-4	15	0,5	0,5	± 1,5	0,5	1150,-	963-128	88,-
GAT 30K-3	30	1	2	± 3	1	1150,-	963-128	88,-

Stainless steel/Protection against dust and water splashes IP65...68

KERN scales – not scared of water at all!

Scales used in industrial situations or the food industry are often exposed to extreme stresses and strains. Water, oils, fats, varnish, dust, dirt, flour, small parts, etc. are all natural enemies of a scale. In industries such as the chemical, pharmaceutical, food, manufacturing industries, etc. scales must be able to cope with these stresses without this affecting their performance.

For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stresses a system can be exposed to with respect to the level of contact, foreign object and moisture protection, without damage being caused to the unit. These levels of protection are described in the following standard: "DIN EN 60529: protection types through housing"

The IP code usually consists of a two-digit combination, which gives the relevant level of protection, e.g. IP68. The first digit specifies the protection level for contact protection and protection against foreign bodies (dust protection), the second digit is for the water and moisture protection (protection against splashes of water).

All stainless steel components of the IP65...68 protected KERN stainless steel scales are made of corrosion-resistant steel of quality class 1.4301 (DIN X5CrNi18-10). The material properties support you in your ▶ **HACCP**-compliant quality system.

► See the glossary on page 199–201

Extract from the standard: "DIN EN 60529: protection types through housing":

KERN-Pictogram	1. digit	Specification	2. digit	Specification
	6	Dustproof	5	Designed for temporary contact with liquids. Use a damp cloth for cleaning.
	6	Dustproof	6	Protection against water jets.
	6	Dustproof	7	Designed for temporary use in wet areas. Temporary submersion is possible.
	6	Dustproof	8	Designed for continuous use in wet areas. Submersion is possible.

Your product specialist's recommendation:



Scale entirely out of stainless steel



Protection against dust and water splashes IP67



High mobility: thanks compact, flat construction and low weight, it is suitable for use in several locations (kitchen, cafeteria, warehouse etc.)



Lisa Mayer

Product specialist Stainless steel

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 lisa.mayer@kern-sohn.com



KERN FOB-N

Quick-Finder Stainless steel/Protection against dust and water splashes IP65...68

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M CAL EXT	RS 232	TOL	IP	INOX	ACCU	For an explanation on the pictos, see the front flap				
0,1 g	0,5 kg	FOB 500-1S	79,-	58	1	●					●					
0,1 g	0,5 kg	FOB 0.5K-4NS	105,-	58	1	●				●	●	●				
0,2 g	1,5 kg	WTB 1K-4N	240,-	60	1	●				●	●	●	●			○
0,2 g	1,5 kg	FFN 1K-4N	275,-	61	1	●				●	●	●	●			●
0,5 g	1,5 kg	FOB 1.5K0.5	175,-	59	1	●				●						○
0,5 g	1,5 kg	WTB 1K-4NM	260,-	60	1	●	○		●	●	●	●				○
0,5 g	1,5 kg	FFN 1K-4NM	295,-	61	1	●	○		●	●	●	●				●
0,5 g	3 kg	WTB 3K-4N	240,-	60	1	●			●	●	●	●				○
0,5 g	3 kg	FFN 3K0.5IPN	275,-	61	1	●			●	●	●	●				●
0,5 g	3 kg	FXN 3K-4N	335,-	62	1	●			●	●	●	●				●
0,5 1 g	5 7,5 kg	FOB 7K-4NL	235,-	59	1	●					●	●	●			
1 g	10 kg	SFB 10K1HIP	750,-	63	1	●		○		●	●	●				●
1 g	3 kg	FOB 3K1	180,-	59	1	●										○
1 g	1 kg	FOB 1K1M	195,-	59	1	●	○		●							○
1 g	3 kg	WTB 3K-3NM	260,-	60	1	●	○		●	●	●	●				○
1 g	3 kg	FFN 3K1IPM	295,-	61	1	●	○		●	●	●	●				●
1 g	3 kg	FXN 3K-3	375,-	62	1	●	○		●	●	●	●				
1 g	5 kg	FOB 5K1S	79,-	58	1	●										●
1 g	5 kg	FOB 5K-3NS	105,-	58	1	●										●
1 g	6 kg	WTB 6K-3N	240,-	60	1	●				●	●	●				○
1 g	6 kg	FFN 6K1IPN	275,-	61	1	●										●
1 g	6 kg	FXN 6K-3N	335,-	62	1	●				●	●	●				●
1 g	15 kg	FOB 15K1L	320,-	59	1	●										○
1 2 g	3 6 kg	SXS 6K-3M	690,-	64	1	●	○		●	○	●	●				○
1 2 g	8 15 kg	FOB 10K-3NL	240,-	59	1	●										●
2 g	6 kg	FOB 6K2	175,-	59	1	●										○
2 g	6 kg	WTB 6K-3NM	260,-	60	1	●	○		●	●	●	●				○
2 g	6 kg	FFN 6K2IPM	295,-	61	1	●	○		●	●	●	●				●
2 g	6 kg	FXN 6K-3	375,-	62	1	●	○		●	●	●	●				
2 g	15 kg	WTB 10K-3N	240,-	60	1	●				●	●	●				○
2 g	15 kg	FFN 15K2IPN	275,-	61	1	●			●	●	●	●				●
2 g	15 kg	FXN 10K-3N	335,-	62	1	●			●	●	●	●				●
2 g	20 kg	SFB 20K2HIP	760,-	63	1	●		○	●	●	●	●				●
2 g	30 kg	FOB 30K2L	320,-	59	1	●			●	●	●	●				○
2 5 g	16 30 kg	FOB 30K-3NL	240,-	59	1	●										●
2 5 g	6 15 kg	SXS 10K-3M	690,-	64	1	●	○		●	○	●	●				○
2 5 g	6 15 kg	SXS 10K-3LM	850,-	64	1	●	○		●	○	●	●				○
5 g	15 kg	WTB 10K-3NM	260,-	60	1	●	○		●	●	●	●				○
5 g	15 kg	FFN 15K5IPM	295,-	61	1	●	○		●	●	●	●				●
5 g	15 kg	FXN 10K-3	375,-	62	1	●	○		●	●	●	●				
5 g	15 kg	SFB 15K5HIPM	770,-	63	1	●		○	●	●	●	●				●
5 g	25 kg	FFN 25K5IPN	275,-	61	1	●			●	●	●	●				●
5 g	30 kg	WTB 30K-3N	240,-	60	1	●			●	●	●	●				○
5 g	30 kg	FXN 30K-3N	335,-	62	1	●			●	●	●	●				●
5 g	50 kg	SFB 50K5HIP	750,-	63	1	●		○	●	●	●	●				●
5 g	50 kg	SFB 50K-3XL	930,-	63	1	●		○	●	●	●	●				●
5 g	50 kg	SFB 50K5LHIP	820,-	63	1	●		○	●	●	●	●				●
5 10 g	15 30 kg	SXS 30K-2M	860,-	64	1	●	○		●	○	●	●				○
5 10 g	15 30 kg	SXS 30K-2LM	1160,-	64	1	●	○		●	○	●	●				○
10 g	25 kg	FFN 25K10IPM	295,-	61	1	●	○		●	●	●	●				●
10 g	30 kg	WTB 30K-2NM	260,-	60	1	●	○		●	●	●	●				○
10 g	30 kg	FXN 30K-2	375,-	62	1	●	○		●	●	●	●				
10 g	30 kg	SFB 30K10HIPM	770,-	63	1	●		○	●	●	●	●				●
10 g	100 kg	SFB 100K10HIP	810,-	63	1	●		○	●	●	●	●				●
10 g	100 kg	SFB 100K-2L	930,-	63	1	●		○	●	●	●	●				●
10 g	100 kg	SFB 100K-2XL	1270,-	63	1	●		○	●	●	●	●				●
10 20 g	30 60 kg	SXS 60K-2M	850,-	64	1	●	○		●	○	●	●				○
10 20 g	30 60 kg	SXS 60K-2LM	1160,-	64	1	●	○		●	○	●	●				○
20 g	60 kg	SFB 60K20HIPM	770,-	63	1	●		○	●	●	●	●				●
20 g	60 kg	SFB 60K20LHIPM	830,-	63	1	●		○	●	●	●	●				●
20 g	60 kg	SFB 60K-2XLM	1030,-	63	1	●		○	●	●	●	●				●
20 g	200 kg	SFB 200K-2XL	1270,-	63	2	●		○	●	●	●	●				●
20 50 g	60 150 kg	SXS 100K-2M	1160,-	64	1	●	○		●	○	●	●				○
20 50 g	60 150 kg	SXS 100K-2LM	1450,-	64	1	●	○		●	○	●	●				○
50 g	150 kg	SFB 100K-2HM	820,-	63	1	●		○	●	●	●	●				●
50 g	150 kg	SFB 100K-2LM	1030,-	63	1	●		○	●	●	●	●				●
50 g	150 kg	SFB 100K-2XLM	1290,-	63	1	●		○	●	●	●	●				●
50 100 g	150 300 kg	SXS 300K-2M	1450,-	64	1	●	○		●	○	●	●				○
100 g	300 kg	SFB 300K-1LM	1290,-	63	1	●		○	●	●	●	●				●

NEW 2017

● = standard ○ = option

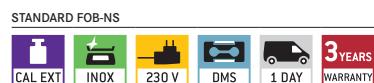
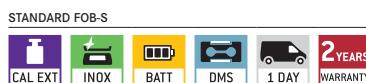


KERN FOB-S

KERN FOB-NS

Compact stainless steel balances with high level of protection against dust and water splashes

	KERN FOB-S	KERN FOB-NS
Features	<ul style="list-style-type: none"> Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple to clean High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.) Secure and non-slip positioning with rubber feet 	
Technical data	<ul style="list-style-type: none"> Your support in a HACCP-compliant quality system Ready for use: Batteries included, 9 V Block, operating time up to 20 h 	<ul style="list-style-type: none"> Particularly flat design Protection against dust and water splashes IP65 (only when using battery) Ready for use: Batteries included, 9 V Block, operating time up to 24 h
Accessories	<ul style="list-style-type: none"> Large LCD display, digit height 20 mm Dimensions weighing surface, stainless steel, W×D 125×155 mm Overall dimensions W×D×H 175×155×40 mm Net weight approx. 0,7 kg Permissible ambient temperature 10 °C/40 °C 	<ul style="list-style-type: none"> Large LCD display, digit height 20 mm Overall dimensions W×D×H 170×150×40 mm Net weight approx. 0,8 kg Permissible ambient temperature 10 °C/35 °C



Model	Weighing range [Max] kg	Readout [d] g	Weighing plate W×D mm	Price excl. of VAT ex works €	Options	
					DAkkS Calibr. Certificate	KERN
FOB 500-1S	0,5	0,1	125×155	79,-	963-127	72,-
FOB 5K1S	5	1	125×155	79,-	963-127	72,-
FOB 0,5K-4NS	0,5	0,1	120×150	105,-	963-127	72,-
FOB 5K-3NS	5	1	120×150	105,-	963-127	72,-

⚠ Price reduction



Compact stainless steel balances with EC-Type Approval [M]

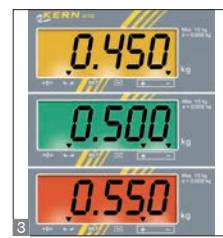
	KERN FOB	KERN FOB-N
Features	<ul style="list-style-type: none"> Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple to clean High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.) Your support in a HACCP-compliant quality system 	06
Technical data	<ul style="list-style-type: none"> Secure and non-slip positioning with rubber feet Increased protection against humidity through waterproof silicone sealing of the load cell, electronics and soldering joints Check the weighing range which is in use at the press of a button (net/gross weight) 	<ul style="list-style-type: none"> Protection against dust and water splashes IP67 (only when using battery) Ready for use: Batteries included, 4×1.5 V AA, operating time up to 48 h
Accessories	<ul style="list-style-type: none"> Large LCD display, digit height 25 mm Dimensions weighing surface, stainless steel A W×D 175×160 mm B W×D 215×215 mm Overall dimensions W×D×H A 175×235×60 mm B 220×305×80 mm Net weight A approx. 2,2 kg B approx. 2,8 kg Permissible ambient temperature KERN FOB: -10 °C/40 °C KERN FOB-M: 0 °C/40 °C 	<ul style="list-style-type: none"> Large backlit LCD display, digit height 25 mm Overall dimensions W×D×H 285×255×90 mm Net weight approx. 3,8 kg Permissible ambient temperature 5 °C/35 °C

STANDARD	CAL EXT	INOX	230 V	DMS	1 DAY	3 YEARS WARRANTY	OPTION	DAkkS	FACTORY	M	+3 DAYS	STANDARD	CAL EXT	IP 67	INOX	BATT	DMS	1 DAY	2 YEARS WARRANTY	OPTION	DAkkS	+3 DAYS	

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate W×D mm	Price excl. of VAT ex works €	Options				
							Verification		DAkkS Calibr. Certificate		
							M III	€	DKD	KERN	€
KERN											
FOB 1.5K0.5	1,5	0,5	-	-	175×165	175,-	-	-	963-127	72,-	
FOB 3K1	3	1	-	-	175×165	180,-	-	-	963-127	72,-	
FOB 6K2	6	2	-	-	175×165	175,-	-	-	963-128	88,-	
FOB 15K1L	15	1	-	-	215×215	320,-	-	-	963-128	88,-	
FOB 30K2L*	30	2	-	-	215×215	320,-	-	-	963-128	88,-	
FOB 1K1M	1	1	1	20	175×165	195,-	965-227	55,-	963-127	72,-	
FOB 7K-4NL	5 7,5	0,5 1	-	-	252×200	235,-	-	-	963-128	88,-	
FOB 10K-3NL	8 15	1 2	-	-	252×200	240,-	-	-	963-128	88,-	
FOB 30K-3NL	16 30	2 5	-	-	252×200	240,-	-	-	963-128	88,-	

!* ONLY WHILE STOCKS LAST!

⌚ Price reduction



06

Ideal for food industry, thanks to its IP65 protection and special checkweighing display, now also with EC type approval [M]

Features

- Suitable for the ever-increasing hygienic requirements in the food industry
- Your support in a HACCP-compliant quality system
- 1** protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- Very fast display:** steady weight values within 2 s
- 2 Second display** on the rear of the balance
- Compact size,** practical for small spaces
- 3 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading

- High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, WxDxH 260x200x16,2 mm
- Overall dimensions WxDxH 285x315x128 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover,** standard, can be re-ordered, scope of delivery: 5 items, KERN RFB-A01S05, € 30,-
- Rechargeable battery pack internal,** operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N, € 35,-
- 4 Tare pan made of stainless steel,** ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, € 55,-
- Sturdy transport case to protect and store the scale, dimensions WxDxH 510x360x220 mm, KERN RFB-A02, € 110,-

STANDARD

CAL EXT	UNIT	TOL	IP 65	MULTI	DMS	2 YEARS

OPTION

ACCU	DAkkS
	+3 DAYS

FACTORY

M
+3 DAYS

1

Model	Weighing range [Max] kg	Readout [d] g	Verification value g	Minimal load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DAkkS Calibr. Certificate	
						MIII KERN	€	DKD KERN	€
KERN									
WTB 1K-4N	1,5	0,2	-	-	240,-	-	-	963-127	72,-
WTB 3K-4N	3	0,5	-	-	240,-	-	-	963-127	72,-
WTB 6K-3N	6	1	-	-	240,-	-	-	963-128	88,-
WTB 10K-3N	15	2	-	-	240,-	-	-	963-128	88,-
WTB 30K-3N	30	5	-	-	240,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
Verification at the factory, we need to know the full address of the location of use.									
WTB 1K-4NM	1,5	0,5	0,5	10	260,-	965-227	55,-	963-127	72,-
WTB 3K-3NM	3	1	1	20	260,-	965-227	55,-	963-127	72,-
WTB 6K-3NM	6	2	2	40	260,-	965-228	55,-	963-128	88,-
WTB 10K-3NM	15	5	5	100	260,-	965-228	55,-	963-128	88,-
WTB 30K-2NM	30	10	10	200	260,-	965-228	55,-	963-128	88,-



All-round bench scale, protected by stainless steel and IP65 rating, now also with EC type approval [M]

Features

- **1 Ideal for the increased hygienic requirements** in the food, pharmaceutical and chemical industries
- **2 Ideal for the robust industrial applications**
- Your support in a **HACCP-compliant quality system**
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, food industry laboratory etc.)
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **Recessed grips on the underside of** the scale for easy transportation
- **3 Protection against dust and water** splashes IP65

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 230×190 mm
- Overall dimensions W×D×H 230×300×130 mm
- Rechargeable battery pack internal, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature FFN-N: 0 °C/40 °C
FFN-NM: -10 °C/40 °C

Accessories

- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DAkkS Calibr. Certificate	
						M III KERN	€	DKD KERN	€
KERN									
FFN 1K-4N	1,5	0,2	-	-	275,-	-	-	963-127	72,-
FFN 3K0.5IPN	3	0,5	-	-	275,-	-	-	963-127	72,-
FFN 6K1IPN	6	1	-	-	275,-	-	-	963-128	88,-
FFN 15K2IPN	15	2	-	-	275,-	-	-	963-128	88,-
FFN 25K5IPN	25	5	-	-	275,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
Verification at the factory, we need to know the full address of the location of use.									
FFN 1K-4NM	1,5	0,5	0,5	10	295,-	965-227	55,-	963-127	72,-
FFN 3K1IPM	3	1	1	20	295,-	965-227	55,-	963-127	72,-
FFN 6K2IPM	6	2	2	40	295,-	965-228	55,-	963-128	88,-
FFN 15K5IPM	15	5	5	100	295,-	965-228	55,-	963-128	88,-
FFN 25K10IPM	25	10	10	200	295,-	965-228	55,-	963-128	88,-



KERN FXN-N

06

Robust, space-saving bench scale, protected by stainless steel and IP68 rating – now with EC type approval [M]

Features

- Suitable for the ever-increasing hygienic requirements in the food industry
- Your support in a **HACCP**-compliant quality system
- Ideal for the robust industrial applications
- **protection against dust and water splashes IP68**, ideal for harsh ambient conditions. Submersion in water actually possible
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **Very fast display:** steady weight values within 2 s
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

• 1 Recessed grips on the underside of the scale for easy transportation

- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 236×195 mm
- Overall dimensions W×D×H 240×280×120 mm
- Ready for use: Batteries included, 4×1.5 V Size D, operating time up to 200 h with backlight, AUTO-OFF function to preserve the battery
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C/40 °C

Accessories

- **2 Tare pan made of stainless steel,** ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option	
						DAkkS Calibr. Certificate	KERN
KERN							
FXN 3K-4N	3	0,5	0,5	± 1	335,-	963-127	72,-
FXN 6K-3N	6	1	1	± 2	335,-	963-128	88,-
FXN 10K-3N	15	2	2	± 4	335,-	963-128	88,-
FXN 30K-3N	30	5	5	± 10	335,-	963-128	88,-
FXN 3K-3*	3	1	1	± 2	235,-	963-127	72,-
FXN 6K-3*	6	2	2	± 4	235,-	963-128	88,-
FXN 10K-3*	15	5	5	± 10	235,-	963-128	88,-
FXN 30K-2*	30	10	10	± 20	235,-	963-128	88,-

! *ONLY WHILE STOCKS LAST !

↓ Price reduction



Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- Ideal for the **robust industrial applications**
- 1 Platform:** made entirely of stainless steel, silicone-coated steel load cell, protection against dust and water splashes IP67
- 2 Display device:** stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)

- 3 SFB-H: Column**, as standard, for models with weighing plate size 300×240 mm: Column height approx 200 mm
400×300 mm: Column height approx. 400 mm

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm

- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01, **€ 75,-**
- 4 Stand** to elevate display device, height of stand approx. 800 mm null, can be retrofitted, KERN BFS-A07, **€ 120,-**
- Suitable printers see **Accessories**

STANDARD

CAL EXT	GLP	PCS	SUM	TOL	IP 65	IP 67	INOX	ACCU	MULTI	DMS	1 DAY	3 YEARS WARRANTY	DAkkS	+3 DAYS	RS 232	M
2	1														SFB-M/ SFB-HM	

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] kg	Net weight approx. kg	Weighing plate W×D mm	Price excl. of VAT ex works €	Options			
								Verification	DAkkS	Calibr.	Certificate
KERN								M	KERN	DKD	KERN
SFB 50K-3XL	50	5	-	-	14	500×400	930,-	-	-	963-128	88,-
SFB 100K-2L*	100	10	-	-	14	500×400	930,-	-	-	963-129	105,-
SFB 100K-2XL	100	10	-	-	26	650×500	1270,-	-	-	963-129	105,-
SFB 200K-2XL*	200	20	-	-	26	650×500	1270,-	-	-	963-129	105,-

with elevated display

SFB 10K1HIP	10	1	-	-	8	300×240	750,-	-	-	963-128	88,-
SFB 20K2HIP	20	2	-	-	9	300×240	760,-	-	-	963-128	88,-
SFB 50K5HIP	50	5	-	-	9	300×240	750,-	-	-	963-128	88,-
SFB 50K5LHIP	50	5	-	-	13	650×500	820,-	-	-	963-128	88,-
SFB 100K10HIP	100	10	-	-	13	400×300	810,-	-	-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

SFB 60K-2XLM	60	20	20	0,4	16	500×400	1030,-	965-229	93,-	963-129	105,-
SFB 100K-2LM	150	50	50	1	16	500×400	1030,-	965-229	93,-	963-129	105,-
SFB 100K-2XLM	150	50	50	1	24	660×505	1290,-	965-229	93,-	963-129	105,-
SFB 300K-1LM*	300	100	100	2	26	650×500	1290,-	965-229	93,-	963-129	105,-
with elevated display											
SFB 15K5HIPM	15	5	5	0,1	8	300×240×100	770,-	965-228	55,-	963-128	88,-
SFB 30K10HIPM	30	10	10	0,2	8	300×240×100	770,-	965-228	55,-	963-128	88,-
SFB 60K20HIPM*	60	20	20	0,4	9	300×240×100	770,-	965-229	93,-	963-129	105,-
SFB 60K20LHIPM	60	20	20	0,4	13	400×300×128	830,-	965-229	93,-	963-129	105,-
SFB 100K-2HM	150	50	50	1	14	400×300×128	820,-	965-229	93,-	963-129	105,-

! *ONLY WHILE STOCKS LAST !



Accessories

- **Stand** to elevate display device, must be ordered at purchase, for models with weighing plate size **A** – **D** height of stand approx. 200 mm, KERN IXS-A02, **€ 70,-**
- **B** – **D** height of stand approx. 400 mm, KERN IXS-A03, **€ 75,-**
- **C** – **D** height of stand approx. 600 mm, KERN IXS-A04, **€ 85,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN GAB-A04, **€ 40,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 40,-**
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 85,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 70,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KXS-A02, **€ 110,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

Stainless steel platform scale with stainless steel IP68 display and EC type approval [M]

Features

- Ideal for the robust industrial applications
- **1 Platform:** made entirely of stainless steel, silicone-coated steel load cell, protection against dust and water splashes IP67. Subtraction in wing design, extremely resistant to bending
- **2 Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply
- Suitable for the ever-increasing hygienic requirements in the food industry
- **Wall mount** for display device, standard
- **Superior display size:** digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions

- Thanks to the RS-232, RS-485 and Bluetooth (optional) **interfaces**, the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer

Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel WxDxH
 - A** 300×240×86 mm,
 - B** 400×300×89 mm,
 - C** 500×400×123 mm,
 - D** 650×500×133,5 mm
- Dimensions of display device WxDxH 232×170×80 mm
- Cable length of display device approx. 2,5 m

STANDARD	OPTION	FACTORY
CAL EXT GLP PCS TOL MOVE IP 67 IP 68 INOX 230 V DMS 1 DAY 3 YEARS WARRANTY	DAkkS +3 DAYS	RS 232 RS 485 BT ACCU +3 DAYS

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
								Verification	
								M III	KERN
KERN								DKD	
SXS 6K-3M	3 6	1 2	1 2	20 40	6	A	690,-	965-228	55,-
SXS 10K-3M	6 15	2 5	2 5	40 100	7	A	690,-	965-228	55,-
SXS 10K-3LM	6 15	2 5	2 5	40 100	12	B	850,-	965-228	55,-
SXS 30K-2M	15 30	5 10	5 10	100 200	12	B	860,-	965-228	55,-
SXS 30K-2LM	15 30	5 10	5 10	100 200	22	C	1160,-	965-228	55,-
SXS 60K-2M	30 60	10 20	10 20	200 400	14	B	850,-	965-229	93,-
SXS 60K-2LM	30 60	10 20	10 20	200 400	22	C	1160,-	965-229	93,-
SXS 100K-2M	60 150	20 50	20 50	400 1000	24	C	1160,-	965-229	93,-
SXS 100K-2LM	60 150	20 50	20 50	400 1000	38	D	1450,-	965-229	93,-
SXS 300K-2M	150 300	50 100	50 100	1000 2000	38	D	1450,-	965-229	93,-

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d].

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

Price computing scales

Price computing scales are used wherever the price of goods is calculated dependent on the weight of the goods. These scales are subject to obligatory verification (**► Verification**) in accordance with European Directive 2014/31/EU. Usually, are verification class **MIII** scales

KERN mobile retail scales are compact in size and therefore save space on the sales counter. Thanks to the simple menu structure they are easy to use – saving time and money.

Fitted with mains or rechargeable batteries as standard, price computing scales can be used in retail shops as well as on mobile sales stalls.

All price computing scales from KERN have three displays showing you all important information at a glance:

- Weight display in kg (verifiable)
- Unit price in €/kg or €/100 g
- Total price in €

Even the KERN entry level retail scales have direct access keys for memories (**► PLU**). The sales item with the relevant price can be stored against these PLU. In this way, frequently used sales items can be called up at lightning speed. This accelerates customer service and reduces waiting times.

► See the glossary on page 199–201

Quick-Finder Price computing scales

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	RS 232	MEMORY	ACCU
For an explanation on the pictos, see the front flap										
1 2 g	3 6 kg	RIB 6K-3M	210,-	66	1	○	●		●	○
1 2 g	3 6 kg	RIB 6K-3HM	240,-	66	1	○	●		●	○
1 2 g	3 6 kg	RPB 6K1DM	225,-	67	1	○	●	●	●	○
1 2 g	3 6 kg	RPB 6K1DHM	250,-	67	1	○	●	●	●	○
2 5 g	6 15 kg	RIB 10K-3M	210,-	66	1	○	●		●	○
2 5 g	6 15 kg	RPB 15K2DM	225,-	67	1	○	●	●	●	○
2 5 g	6 15 kg	RIB 10K-3HM	240,-	66	1	○	●		●	○
2 5 g	6 15 kg	RPB 15K2DHM	250,-	67	1	○	●	●	●	○
5 10 g	15 30 kg	RIB 30K-2M	210,-	66	1	○	●		●	○
5 10 g	15 30 kg	RPB 30K5DM	225,-	67	1	○	●	●	●	○
5 10 g	15 30 kg	RIB 30K-2HM	240,-	66	1	○	●		●	○
5 10 g	15 30 kg	RPB 30K5DHM	250,-	67	1	○	●	●	●	○

NEW 2017

● = standard ○ = option

Your product specialist's recommendation:



Intuitive operation



Large number of item memories



Little space requirements



Mains operation and rechargeable battery pack possible



Lisa Mayer

Product specialist

Price computing scales

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KERN RIB



NEW

**Application examples**

- retail shops
- market places
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

07

High-quality retail scale with large item memory, user-friendly handling and EC type approval [M]

Features

- 1 KERN RIB-H: **Elevated display backlit**, revolving on column, height of stand approx. 530 mm, must be ordered at purchase
- 2 **Second display** on the rear of the balance
- **Three displays** for weight display (verifiable), reference weight, total weight
- **20 Direct price keys** for frequently recurring article prices
- **Energy management**: Backlight turns off after 5 sec
- **Soil-resistant construction** through water channels at the frame of the housing and sealing rings over the upper housing inlets

Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 294x225 mm
- Overall dimensions WxDxH
RIB: 340x326x116 mm
RIB-H: 325x400x400 mm
- Net weight
RIB-M: approx. 3,2 kg
RIB-HM: approx. 3,8 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN RIB-A01S05, **€ 30,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- 3 **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, **€ 55,-**

STANDARD		OPTION		FACTORY	
CAL EXT	MEMORY	UNIT	230 V	DMS	2 YEARS WARRANTY

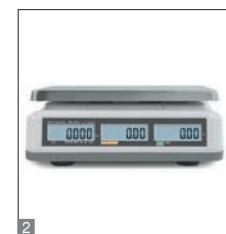
Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DAkkS Calibr. Certificate	
						MIII KERN	€	DKD KERN	€
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d].									
RIB 6K-3M	3 6	1 2	1 2	20 40	210,-	965-228	55,-	963-128	88,-
RIB 10K-3M	6 15	2 5	2 5	40 100	210,-	965-228	55,-	963-128	88,-
RIB 30K-2M	15 30	5 10	5 10	100 200	210,-	965-228	55,-	963-128	88,-
with elevated display									
RIB 6K-3HM	3 6	1 2	1 2	20 40	240,-	965-228	55,-	963-128	88,-
RIB 10K-3HM	6 15	2 5	2 5	40 100	240,-	965-228	55,-	963-128	88,-
RIB 30K-2HM	15 30	5 10	5 10	100 200	240,-	965-228	55,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.



Retail scale with memories for item prices

**Application examples**

- retail shops
- market places
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

Features

- **1** KERN RPB-H: **Elevated display backlit**, revolving on column, height of stand approx. 530 mm, must be ordered at purchase
- **2** **Second display** on the rear of the balance
- **Three displays** for weight display (verifiable), reference weight, total weight
- **Unit price can be switched** from €/kg to €/100 g
- **Memory (PLU) for 10 article prices**
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **3 High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface, stainless steel, WxD 295×225 mm
- Overall dimensions WxDxH 315×350×100 mm
- Net weight
RPB: approx. 3,6 kg
RPB-H: approx. 4,0 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD	CAL EXT	MEMORY	RS 232	RECIPE	A MULTI	DMS	OPTION	FACTORY
							ACCU 1 DAY	DAkkS +3 DAYS

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Price excl. of VAT €	Options		
						Verification	DAkkS Calibr. Certificate	KERN
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d].								
RPB 6K1DM	3 6	1 2	1 2	20	225,-	965-228	55,-	963-128
RPB 15K2DM	6 15	2 5	2 5	40	225,-	965-228	55,-	963-128
RPB 30K5DM	15 30	5 10	5 10	100	225,-	965-228	55,-	963-128
with elevated display								
RPB 6K1DHM	3 6	1 2	1 2	20	250,-	965-228	55,-	963-128
RPB 15K2DHM	6 15	2 5	2 5	40	250,-	965-228	55,-	963-128
RPB 30K5DHM	15 30	5 10	5 10	100	250,-	965-228	55,-	963-128

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Interesting facts about density determination

Smallest part weight when counting

Smallest piece the scale will accept for piece counting and piece count display. In practice, depending on the required accuracy, we recommend to choose a counting scale with a minimum piece weight smaller than the weight of the item to be counted. To make it easier for you to select the right model, we give the smallest part weight when counting under laboratory conditions and normal conditions, see the website.

► **Counting resolution**

Describes the maximum quantity which can be counted with a counting accuracy of 1 %, with a minimum variation of item weights and a sufficiently large ► **reference quantity** (20 pieces with counting resolution \leq 60,000 points, 50 pieces from 60,000–150,000 points, 100 pieces \geq 150,000 points). This therefore is an indication of the quality of the counting scale.

Recommended ► reference quantity

Weight tolerances of pieces to be counted are the most significant sources of error when counting. Therefore, at the start of every counting procedure, establish an average weight, the so-called ► **reference weight**, by placing several pieces on the balance, the so-called reference quantity.

Usually this would be:

- 5 pieces >> often sufficient
- 10 pieces >> common practise
- 20-100 pieces >> for large deviations among piece weights

The “automatic ► **reference optimisation**“ function increases the reference quantity gradually, whereby the average piece weight is optimised step by step. This contributes considerably to the accuracy of the subsequent counting processes.

Which counting scale for which application?

Simple counting scale

with self-explanatory user guidance on the keyboard. The graphic control panel enables you to start working immediately, without having to consult the user manual. Easy handling, value for money.

Professional counting scale

with 3 separate displays for reference weight (average weight of the pieces), total weight of all pieces and total quantity of all pieces. Very useful integrated memories, e.g. for container weight, item number, reference weight as well as audible and visual counting aids and an alphanumeric key pad for easy data entry.

Special tip for counting large quantities:

Counting systems

The weighing ranges of bench counting scales are often not sufficient to count large quantities, units, palletized items, etc. Here high-performance counting systems come into operation, as these combine a high-precision reference scale with a high-capacity bulk scale.

Special stocktaking scales SMT, FKA and FKC

For demanding quantity measurement, e.g. as part of a stocktake. With its easy-to-use touch screen, special stocktaking software and PC connection this makes it quicker to collect and analyse stock levels

► See the glossary on page 199–201

HIGH-LIGHT



from €
1260,-

► page 78

Your product specialist's recommendation:

Intelligent, rapid counting system with inventory system

Enormous item memory

Intuitive touchscreen operation



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Product specialist Counting scales

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Quick-Finder Counting scales/Counting systems/Special stocktaking scales

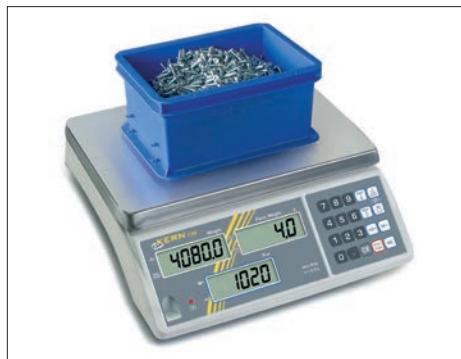
Read-out [d]	Weighing range [Max]	Counting resolution Points	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	DUAL	ACCU
						For an explanation on the pictos, see the front flap						
0,0001 g	6 15 kg	150.000.000	CCT 10K-7	3100,-	82	23	●	●	●	●	●	○
0,001 g	0,3 kg	60.000	CFS 300-3	350,-	73	1	●	●	●	●	●	○
0,001 g	0,36 kg	360.000	CKE 360-3	310,-	74	1	●			●		○
0,001 g	30 kg	30.000	CXB 30K2	230,-	71	4	●					●
0,001 g	6 kg	1.200.000	CCS 6K-6	670,-	79	4	●	●	●	●	●	○
0,001 g	6 kg	6.000.000	CCT 6K-6	4100,-	82	23	●	●	●	●		
0,001 g	6 15 kg	15.000.000	CCT 10K-6	2700,-	82	23	●	●	●	●		
0,001 g	15 kg	3.000.000	CCS 10K-6	710,-	79	4	●	●	●	●	●	○
0,001 g	30 60 kg	60.000.000	CCT 60K-6	2800,-	82	23	●	●	●	●		
0,001 g	36 kg	36.000.000	FKC 30K-6	1290,-	78	1	●	●	●	●		○
0,001 g	36 kg	36.000.000	FKC 60K-6	1290,-	78	1	●	●	●	●		○
0,01 g	2 kg	200.000	CKE 2000-2	350,-	74	1	●			●		○
0,01 g	3 kg	60.000	CFS 3K-5	310,-	73	1	●	●	●	●	●	○
0,01 g	3,6 kg	360.000	CKE 3600-2	370,-	74	1	●	●	●	●		○
0,01 g	15 30 kg	3.000.000	CCT 30K-5	2800,-	82	23	●	●	●	●		
0,01 g	30 kg	600.000	CCS 30K0.01.	580,-	79	4	●	●	●	●	●	○
0,01 g	30 60 kg	6.000.000	CCT 60K-5	2800,-	82	23	●	●	●	●		
0,01 g	30 60 kg	6.000.000	CCT 60K-5L	3000,-	82	23	●	●	●	●		
0,01 g	36 kg	3.600.000	FKC 30K-5	1280,-	78	1	●	●	●	●		○
0,01 g	60 kg	1.200.000	CCS 60K0.01.	580,-	79	4	●	●	●	●	●	○
0,01 g	60 kg	1.200.000	CCS 60K0.01L	660,-	79	4	●	●	●	●	●	○
0,01 g	60 150 kg	15.000.000	CCT 100K-5	2900,-	82	23	●	●	●	●		
0,01 g	60 150 kg	15.000.000	CCT 100K-5L	2900,-	82	23	●	●	●	●		
0,01 g	65 kg	65.000.000	FKC 60K-5	1280,-	78	1	●	●	●	●		○
0,01 g	150 kg	3.000.000	CCS 150K0.01	690,-	79	4	●	●	●	●	●	○
0,01 g	150 kg	3.000.000	CCS 150K0.01L	900,-	79	4	●	●	●	●	●	○
0,01 g	150 300 kg	30.000.000	CCT 300K-5	3000,-	82	23	●	●	●	●		
0,01 g	300 kg	6.000.000	CCS 300K0.01	900,-	79	4	●	●	●	●	●	○
0,01 g	600 kg	12.000.000	CCS 600K-2U	1550,-	79	5	●	●	●	●	●	○
0,01 g	600 kg	12.000.000	CCS 600K-2	1600,-	79	5	●	●	●	●	●	○
0,01 g	600 kg	12.000.000	CCS 600K-2L	1990,-	79	5	●	●	●	●	●	○
0,02 g	4 kg	200.000	CDS 4K0.02	560,-	76	1	●			●		○
0,02 g	6 kg	300.000	CKE 6K0.02	520,-	74	1	●			●		○
0,05 g	8 kg	160.000	CKE 8K0.05	480,-	74	1	●			●		○
0,05 g	15 kg	300.000	CDS 15K0.05	490,-	76	1	●			●		○
0,05 g	16 kg	320.000	CKE 16K0.05	590,-	74	1	●			●		○
0,1 g	6 kg	60.000	CPB 6K0.1N	235,-	72	1	●			●		○
0,1 g	6 kg	60.000	CFS 6K0.1	270,-	73	1	●		●	●	●	○
0,1 g	15 kg	150.000	CCP 10K-4	2900,-	81	1	●		●	●		
0,1 g	16 kg	160.000	CKE 16K0.1	480,-	74	1	●		●			○
0,1 g	16 kg	160.000	CDS 16K0.1	460,-	76	1	●		●			○
0,1 g	30 kg	300.000	CDS 30K0.1	560,-	76	1	●		●			○
0,1 g	30 kg	300.000	CCS 30K0.1	570,-	79	4	●	●	●	●	●	○
0,1 g	30 kg	300.000	CDS 30K0.1L	710,-	76	1	●	●	●	●		○
0,1 g	30 kg	300.000	CCP 30K-4	3000,-	81	1	●	●	●	●		
0,1 g	36 kg	360.000	CKE 36K0.1	540,-	74	1	●	●	●	●		○
0,1 g	36 kg	360.000	FKA 30K-4	950,-	77	1	●	●	●	●		○
0,1 g	60 kg	600.000	CCS 60K0.1	550,-	79	4	●	●	●	●	●	○
0,1 g	60 kg	600.000	CCS 60K0.1L	610,-	79	4	●	●	●	●	●	○
0,1 g	60 kg	600.000	CCP 60K-4	2900,-	81	2	●	●	●	●		
0,1 g	60 kg	600.000	CCP 60K-4L	3000,-	81	2	●	●	●	●		
0,1 g	150 kg	1.500.000	CCS 150K0.1	610,-	79	1	●	●	●	●	●	○
0,1 g	150 kg	1.500.000	CCS 150K0.1L	860,-	79	4	●	●	●	●	●	○
0,1 g	300 kg	3.000.000	CCS 300K0.1	860,-	79	4	●	●	●	●	●	○
0,1 g	300 kg	3.000.000	CCP 300K-4	3300,-	81	1	●	●	●	●		
0,1 g	600 kg	6.000.000	CCP 600K-4	4200,-	81	2	●	●	●	●		
0,1 g	1500 kg	15.000.000	CCS 1T-1U	1480,-	79	5	●	●	●	●	●	○
0,1 g	1500 kg	15.000.000	CCS 1T-1	1550,-	79	5	●	●	●	●	●	○
0,1 g	1500 kg	15.000.000	CCS 1T-1L	1930,-	79	5	●	●	●	●	●	○
0,1 g	3000 kg	30.000.000	CCS 3T-1	1950,-	79	5	●	●	●	●	●	○
0,1 g	3000 kg	30.000.000	CCS 3T-1L	2150,-	79	5	●	●	●	●	●	○
0,1 g	3000 kg	3.000.000	CCP 3T-7	4200,-	81	2	●	●	●	●		
0,1 g	3000 kg	1.500.000	CCP 3T-7L	4200,-	81	2	●	●	●	●		
0,1 0,2 g	6 15 kg	75.000	IFS 10K-4	405,-	75	1	●	●	●	●		○
0,2 g	3 kg	30.000	CXB 3K0.2	230,-	71	1	●					●
0,2 g	15 kg	60.000	CPB 15K0.2N	235,-	72	1	●					○
0,2 g	15 kg	75.000	CFS 15K0.2	270,-	73	1	●		●	●		○
0,2 g	36 kg	180.000	CDS 36K0.2L	710,-	76	1	●			●		○
0,2 g	60 kg	300.000	CDS 60K0.2	710,-	76	1	●			●		○
0,2 g	65 kg	325.000	CKE 65K0.2	540,-	74	1	●			●		○
0,2 g	65 kg	325.000	FKA 60K-4	950,-	77	1	●		●	●		○
0,2 0,5 g	12 30 kg	60.000	IFS 30K0.2DL	450,-	75	1	●		●	●		○

● = standard ○ = option

Quick-Finder Counting scales/Counting systems/Special stocktaking scales

Read-out [d]	Weighing range [Max]	Counting resolution Points	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	DUAL	ACCU
						For an explanation on the pictos, see the front flap						
0,5 g	6 kg	30.000	CXB 6K0.5	230,-	71	1	●					●
0,5 g	30 kg	60.000	CPB 30K0.5N	235,-	72	1	●			●		○
0,5 g	30 kg	60.000	CFS 30K0.5	270,-	73	1	●		●	●	●	○
0,5 g	65 kg	130.000	CKE 65K0.5	500,-	74	1	●			●		○
0,5 1 g	30 60 kg	60.000	IFS 60K0.5D	450,-	75	1	●		●	●		○
0,5 1 g	30 60 kg	60.000	IFS 60K0.5DL	550,-	75	1	●		●	●		○
1 g	3 kg	30.000	CXB 3K1NM	245,-	71	1	○	●				●
1 g	15 kg	30.000	CXB 15K1	230,-	71	1	●					●
1 g	50 kg	50.000	CFS 50K-3	310,-	73	1	●		●	●	●	○
1 2 g	3 6 kg	60.000	CPB 6K1DM	235,-	72	1	○	●		●		○
1 2 g	3 6 kg	60.000	IFS 6K-3M	410,-	75	1	○	●	●	●		○
1 2 g	75 150 kg	60.000	IFS 100K-3	625,-	75	1	●		●	●		○
1 2 g	75 150 kg	60.000	IFS 100K-3L	785,-	75	1	●		●	●		○
1 2 g	600 kg	6.000.000	CCP 600K-3	3800,-	81	25	●		●	●		●
2 g	6 kg	30.000	CXB 6K2NM	245,-	71	1	○	●				●
2 5 g	6 15 kg	60.000	CPB 15K2DM	235,-	72	1	○	●		●		○
2 5 g	6 15 kg	75.000	IFS 10K-3M	410,-	75	1	○	●	●	●		○
2 5 g	6 15 kg	75.000	IFS 10K-3LM	460,-	75	1	○	●	●	●		○
2 5 g	150 kg	1.500.000	CCP 100K-3	2600,-	81	1	●		●	●		●
2 5 g	150 300 kg	60.000	IFS 300K-3	790,-	75	1	●		●	●		○
5 g	15 kg	30.000	CXB 15K5NM	245,-	71	1	○	●				●
5 10 g	15 30 kg	60.000	CPB 30K5DM	235,-	72	1	○	●		●		○
5 10 g	15 30 kg	60.000	IFS 30K-3M	460,-	75	1	○	●	●	●		○
10 g	30 kg	30.000	CXB 30K10NM	245,-	71	1	○	●				●
10 20 g	30 60 kg	60.000	IFS 60K-2M	460,-	75	1	○	●	●	●		○
10 20 g	30 60 kg	60.000	IFS 60K-2LM	550,-	75	1	○	●	●	●		○
20 50 g	60 150 kg	60.000	IFS 100K-2M	550,-	75	1	○	●	●	●		○
20 50 g	60 150 kg	60.000	IFS 100K-2LM	715,-	75	1	○	●	●	●		○
50 100 g	150 300 kg	60.000	IFS 300K-2M	720,-	75	4	○	●	●	●		○

● = standard ○ = option



Entry level model into professional counting, also with EC type approval [M], counting resolution of 30,000 points

08

Features

- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- Three displays** for weight display (verifiable), reference weight, total weight
- Audible Fill-to-target:** target quantity or target weight can be programmed. When the target value is reached, a signal will sound
- Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces

- Energy management:** Backlight turns off after 5 sec

- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels

- Two balances in one:** Changes from counting mode to weighing mode at the touch of a key

Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 300×225 mm
- Dimensions housing W×D×H 300×330×110 mm

- Rechargeable battery pack internal, operating time up to 200 h without backlight, charging time approx. 8 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN CXB-A01S05, **€ 36,-**
- Rechargeable battery pack internal**, operating time up to 200 h without backlight, charging time approx. 8 h, KERN GAB-A04, **€ 40,-**

STANDARD



OPTION



DAkkS
+3 DAYS
CXB-NM

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [counting] g/piece	Counting resolution Points	Price excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								MII KERN	€	DKD KERN	€
KERN											
CXB 3K0.2	3	0,2	-	-	0,1	30.000	230,-	-	-	963-127	72,-
CXB 6K0.5	6	0,5	-	-	0,2	30.000	230,-	-	-	963-128	88,-
CXB 15K1	15	1	-	-	0,5	30.000	230,-	-	-	963-128	88,-
CXB 30K2	30	2	-	-	1	30.000	230,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
CXB 3K1NM	3	1	1	20	0,1	30.000	245,-	965-227	55,-	963-127	72,-
CXB 6K2NM	6	2	2	40	0,2	30.000	245,-	965-228	55,-	963-128	88,-
CXB 15K5NM	15	5	5	100	0,5	30.000	245,-	965-228	55,-	963-128	88,-
CXB 30K10NM	30	10	10	200	1	30.000	245,-	965-228	55,-	963-128	88,-



Note: Official verification duty for commercial trade

Professional model, also with EC type approval [M],
counting resolution up to 60,000 points

08

Features

- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- Three displays** for weight display (verifiable), reference weight, total weight
- Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces
- Audible Fill-to-target:** target quantity or target weight can be programmed. When the target value is reached, a signal will sound
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels

- High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- Two balances in one:** Changes from counting mode to weighing mode at the touch of a key

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface, stainless steel, WxD 295x225 mm
- Overall dimensions WxDxH 315x350x100 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C/40 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- 1 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD		OPTION		FACTORY			
CAL EXT	RS 232	PCS	SUM	TOL	MULTI DMS 1 DAY WARRANTY	ACCU DAkkS +3 DAYS	M +3 DAYS CPB-DM

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [counting] g/piece	Counting resolution Points	Price excl. of VAT ex works €	Options	
								Verification	DAkkS Calibr. Certificate
KERN								M III KERN	DKD KERN
CPB 6K0.1N	6	0,1	-	-	0,1	60.000	235,-	-	-
CPB 15K0.2N	15	0,2	-	-	0,25	60.000	235,-	-	-
CPB 30K0.5N	30	0,5	-	-	0,5	60.000	235,-	-	-
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]									
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
Verification at the factory, we need to know the full address of the location of use.									
CPB 6K1DM	3 6	1 2	1 2	20	0,1	60.000	235,-	965-228	55,-
CPB 15K2DM	6 15	2 5	2 5	40	0,25	60.000	235,-	965-228	55,-
CPB 30K5DM	15 30	5 10	5 10	100	0,5	60.000	235,-	965-228	55,-
								963-128	88,-
								963-128	88,-
								963-128	88,-



Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points

Features

- Memory (PLU)** for 99 items with additional text, reference weight and tare weight, e.g. of a container
- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- Fill-to-target function:** Programmable target quantity or target weight. A signal will be displayed when the target value is reached
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels

- Second balance interface** to construct a high-resolution counting system, standard, e.g. with weighing bridges KERN KFP-V20

Technical data

- Large backlit LCD displays, digit height 20 mm
- Weighing plate dimensions W×D×H
 - A Ø 80 mm
 - B W×D 300×225 mm, see larger picture
 - C W×D 320×350 mm
- Overall dimensions W×D×H
 - A 320×350×180 mm (incl. draught shield)
 - B 320×350×125 mm
 - C 320×350×125 mm
- Permissible ambient temperature 0 °C/40 °C

Accessories

- Protective working cover**, standard for models with weighing plate size A, B, can be re-ordered, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- Rechargeable battery pack internal**, operating time up to 70 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN CFS-A05, **€ 120,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION

Model	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
								DAkkS	Calibr. Certificate
KERN								DKD KERN	€
CFS 300-3	0,3	0,001	0,005	60.000	2,6	A	350,-	963-127	72,-
CFS 3K-5	3	0,01	0,05	60.000	3,4	B	310,-	963-127	72,-
CFS 6K0.1	6	0,1	0,1	60.000	3,4	B	270,-	963-128	88,-
CFS 15K0.2	15	0,2	0,2	75.000	3,4	B	270,-	963-128	88,-
CFS 30K0.5	30	0,5	0,5	60.000	3,4	B	270,-	963-128	88,-
CFS 50K-3	50	1	1	50.000	4,4	C	310,-	963-128	88,-



Easy to use, self-explanatory counting scale with laboratory accuracy, counting resolution up to 360,000 points

08

Features

- Self-explanatory graphic control panel,** the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1 Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2 Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
 - 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
 - 4 Pour in the goods to be counted.
 The number of pieces will immediately be shown in the display

- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Two balances in one:** Changes from counting mode to weighing mode at the touch of a key

Technical data

- Large backlit LCD display,
A, B digit height 9 mm
C digit height 18 mm
- Dimensions weighing surface
A Ø 81 mm, plastic
B WxD 150×170 mm, stainless steel
C WxD 340×240 mm, stainless steel
- Overall dimensions WxDxH
A, B 167×250×85 mm
C 350×390×120 mm

- Optional battery operation, 6×1.5 V Size C not included, operating time up to 40 h, for models with weighing plate size C
- Permissible ambient temperature 10 °C/40 °C

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
 - A KERN PCB-A02S05, € 30,-
 - B KERN PCB-A05S05, € 30,-
 - C KERN FKB-A02S05, € 40,-
- Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 180,-
- Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, € 50,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT	RS 232	PCS	UNDER	BATT	MULTI	DMS	1 DAY	3 YEARS WARRANTY	OPTION	DAkkS	ACCU	+3 DAYS
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Model KERN	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options		
								DAkkS	Calibr.	Certificate
CKE 360-3	0,36	0,001	0,001	360.000	1	A	310,-	963-127	72,-	
CKE 2000-2	2	0,01	0,01	200.000	1,8	B	350,-	963-127	72,-	
CKE 3600-2	3,6	0,01	0,01	360.000	1,8	B	370,-	963-127	72,-	
CKE 6K0.02	6	0,02	0,02	300.000	7	C	520,-	963-128	88,-	
CKE 8K0.05	8	0,05	0,05	160.000	7	C	480,-	963-128	88,-	
CKE 16K0.05	16	0,05	0,05	320.000	7	C	590,-	963-128	88,-	
CKE 16K0.1	16	0,1	0,1	160.000	7	C	480,-	963-128	88,-	
CKE 36K0.1	36	0,1	0,1	360.000	7	C	540,-	963-128	88,-	
CKE 65K0.2	65	0,2	0,2	325.000	7	C	540,-	963-129	105,-	
CKE 65K0.5	65	0,5	0,5	130.000	7	C	500,-	963-129	105,-	



Note: Official verification duty for commercial trade

Industrial counting scale with convenient decimal keypad for easy data entry - now also with EC type approval [M], counting resolution up to 75000 points

Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **Ergonomic display device** with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- **100 item memories** for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.

- **Precise counting:** The manual reference weight optimisation gradually improves the average value of the piece weight
- **Totalising** of pieces when counting

Technical data

- Large backlit LCD display, digit height 16,5 mm
- Dimensions of display device W×D×H 260×150×65 mm

- Cable length of display device approx. 3 m
- Permissible ambient temperature 0 °C/40 °C

08

Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, € 35,-
- **1 Stand** to elevate display device, height of stand approx. 330 mm, KERN IFB-A01, € 50,- Column height approx. 600 mm, for models with weighing plate size B, C, KERN IFB-A02, € 60,-
- **Suitable printers** see Accessories

STANDARD										OPTION		FACTORY		
CAL EXT IFS-M	MEMORY IFS-M	RS 232 INTERN	GLP PCS	SUM %	TOL MULTI	DMS 1 DAY	3 YEARS WARRANTY	DAkkS +3 DAYS	ACCU +3 DAYS	M IFS-M				
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]														
KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Smallest part weight [counting] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate W×D×H mm	Price excl. of VAT ex works €	Options					
IFS 10K-4	6 15	0,1 0,2	-	0,2	75.000	6	300×240×110	405,-	DAkkS KERN	DAkkS €	DKD KERN	DKD €		
IFS 30K0.2DL	12 30	0,2 0,5	-	0,5	60.000	11	400×300×120	450,-	-	-	963-128	88,-		
IFS 60K0.5D	30 60	0,5 1	-	1	60.000	10	400×300×112	450,-	-	-	963-129	105,-		
IFS 60K0.5DL	30 60	0,5 1	-	1	60.000	12	400×500×120	550,-	-	-	963-129	105,-		
IFS 100K-3	75 150	1 2	-	2,5	60.000	12	500×400×137	630,-	-	-	963-129	105,-		
IFS 100K-3L	75 150	1 2	-	2,5	60.000	20	650×500×142	790,-	-	-	963-129	105,-		
IFS 300K-3	150 300	2 5	-	5	60.000	22	650×500×135	790,-	-	-	963-129	105,-		
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.														
IFS 6K-3M	3 6	1 2	1 2	0,1	60.000	6	300×240×105	410,-	965-228	55,-	963-128	88,-		
IFS 10K-3M	6 15	2 5	2 5	0,2	75.000	6	300×240×110	410,-	965-228	55,-	963-128	88,-		
IFS 10K-3LM	6 15	2 5	2 5	0,2	75.000	10	400×300×115	460,-	965-228	55,-	963-128	88,-		
IFS 30K-3M	15 30	5 10	5 10	0,5	60.000	10	400×300×120	460,-	965-228	55,-	963-128	88,-		
IFS 60K-2M	30 60	10 20	10 20	1	60.000	11	400×300×115	460,-	965-229	93,-	963-129	105,-		
IFS 60K-2LM	30 60	10 20	10 20	1	60.000	13	500×400×250	550,-	965-229	93,-	963-129	105,-		
IFS 100K-2M	60 150	20 50	20 50	2,5	60.000	12	500×400×137	550,-	965-229	93,-	963-129	105,-		
IFS 100K-2LM	60 150	20 50	20 50	2,5	60.000	22	650×500×140	720,-	965-229	93,-	963-129	105,-		
IFS 300K-2M	150 300	50 100	50 100	5	60.000	22	650×500×142	720,-	965-229	93,-	963-129	105,-		



Easy to use industrial counting scale for heavy loads,
counting resolution up to 300,000 points

08

Features

- Self-explanatory graphic control panel,** the workings steps can be understood immediately, even without operating instructions
- no learning time = reduces costs
- ideal for untrained users
- visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1 Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2 Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
 - 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
 - 4 Pour in the goods to be counted.
 The number of pieces will immediately be shown in the display
- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value

Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel
 - A W×D 228×228 mm
 - B W×D 308×318 mm
 - C W×D 450×350 mm
- Dimensions of display device W×D×H 225×115×60 mm
- Permissible ambient temperature 10 °C/40 °C

Accessories

- Protective working cover** over the display device, standard, can be re-ordered, scope of delivery: 5 items, KERN DE-A12S05, **€ 30,-**
- Wall mount** for display device, KERN DS-A02, **€ 30,-**
- Mount to fasten the display device** to the platform, can be retrofitted, KERN DE-A11N, **€ 35,-**

- 5 Stand** to elevate display device, height of stand approx. 480 mm, can be retrofitted, KERN DE-A10, **€ 95,-**
- Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, **€ 50,-**
- Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate B, KERN DS-A01, **€ 200,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD						
CAL EXT	RS 232	PCS	B MULTI	DMS	1 DAY	3 YEARS WARRANTY

OPTION		
UNDER	ACCU	DAkkS

B

Model	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Counting resolution Points	Net weight approx. kg	Cable length approx. m	Weighing plate	Price excl. of VAT ex works €	Options	
									DAkkS Calibr. Certificate	DKD KERN
CDS 4K0.02	4	0,02	0,02	200.000	6	1	A	560,-	963-127	72,-
CDS 15K0.05	15	0,05	0,05	300.000	8	2	B	490,-	963-128	88,-
CDS 16K0.1	16	0,1	0,1	160.000	8	2	B	460,-	963-128	88,-
CDS 30K0.1	30	0,1	0,1	300.000	8	2	B	560,-	963-128	88,-
CDS 30K0.1L	30	0,1	0,1	300.000	10	0,6	C	710,-	963-128	88,-
CDS 36K0.2L	36	0,2	0,2	180.000	10	0,6	C	710,-	963-128	88,-
CDS 60K0.2	60	0,2	0,2	300.000	10	0,6	C	710,-	963-129	105,-



See for yourself just how easy
Goods Inwards can be, with
KERN ...



Stocktake scale with touchscreen to quickly measure the quantity of stock items and transfer the information to the PC

Features

- Application-orientated balance-PC system for rapid and reliable recording of stock levels, e.g. as part of a stocktake or goods inwards control
- 1 Using the software included as standard**, an excel list produced by a PC with stocktake items can be transferred to the balance. In the warehouse, stocktake items can then be weighed, counted and stored by the balance, while still in their containers. In doing this, the stored container weight will be subtracted automatically. After the stocktake, the stock level will then be transferred back to the PC and can then be processed further as an excel table. In this way the amount of work and input at the balance is kept to a minimum and time efficiency is maximised = saves costs
- High Flexibility:** During stocktaking, stored PRE-TARE can be corrected immediately on the scale. Items which have not yet been recorded can easily entered using the scale and then transferred in the stock level list

- 1000 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- During stocktaking it is possible to **print individual items** recorded
- Barcode scanner can be connected for rapid item recognition, with no confusion

Technical data

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127×74mm)
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Dimensions housing W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included, operating time up to 15 h
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/40 °C



08

Accessories

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Barcode scanner**, table-top version, dimensions W×D×H 230×150×135 mm, KERN SMT-A02, **€ 685,-**
- Barcode scanner**, hand-held version, dimensions W×D×H 235×210×115 mm, KERN SMT-A03, **€ 445,-**
- Radio barcode scanner**, hand-held version, dimensions W×D×H 225×220×110 mm, KERN SMT-A04, **€ 495,-**
- RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN FKA-A01, **€ 46,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Counting resolution Points	Price excl. of VAT ex works €	Options	
						DAkkS Calibr. Certificate	DKD KERN
KERN							€
FKA 30K-4	36	0,1	0,1	360.000	950,-	963-128	88,-
FKA 60K-4	65	0,2	0,2	325.000	950,-	963-129	105,-



You will be impressed with how easy **stocktaking** is now, with KERN ...



Quantity scale KERN FKA



Reference scale KERN KB



1

High-resolution counting system with counting resolution up to 5 Mio – with stocktaking and piece counting function out of stored data from/to the PC

08

Features

- Counting with a reference balance for high counting accuracy:** The highly accurate KERN FKC counting system can replace a whole range of individual balances, efficiently and at a reasonable price
- The counting system consists of a bulk scale FKC and a reference balance KB-N as well as an interface cable
- Application-orientated balance-PC system for rapid and reliable recording of stock levels, e.g. as part of a stocktake or goods inwards control
- Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC. In this way the data related to these processes is documented accurately, efficiently and clearly
- Note:** As well as stocktaking, the balance can be used in many other applications, e.g. as a weighing scale, commissioning balance or as a professional counting scale with item memory for up to 500 items and associated daily totals memory for each item

Technical data

Reference scale KERN KB

- Backlit LCD display, digit height 9 mm
- Dimensions weighing surface KB 120-3N: Ø 81 mm
KB 1200-2N: W×D 130×130 mm
- Dimensions housing W×D×H 167×250×85 mm
- Permissible ambient temperature 10 °C/40 °C

Quantity scale KERN FKA

- Backlit LCD touch display, digit height 18 mm
- Dimensions weighing surface W×D 340×240 mm
- Dimensions housing W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included, operating time up to 15 h
- Permissible ambient temperature 10 °C/40 °C

Accessories

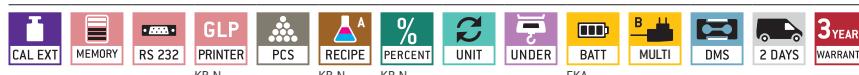
Reference scale KERN KB-N

- Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KB 120-3N: KERN PCB-A02S05, € 30,-
KB 1200-2N: KERN PCB-A04S05, € 30,-
- Rechargeable battery pack internal**, operating time up to 30 h, without backlight, charging time approx. 10 h, KERN KB-A01N, € 50,-

Quantity scale KERN FKA

- Barcode scanner**, table-top version, dimensions W×D×H 230×150×135 mm, KERN SMT-A02, € 685,-
- Barcode scanner**, hand-held version, dimensions W×D×H 235×210×115 mm, KERN SMT-A03, € 445,-
- Radio barcode scanner**, hand-held version, dimensions W×D×H 225×220×110 mm, KERN SMT-A04, € 495,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Quantity scale	Weighing range [Max] kg	Readout [d] g	Reference scale	Weighing range [Max] g	Readout [d] g	Price excl. VAT ex works €	Options	
								DAkkS Calibr. Certificate	DKD KERN
KERN	FKA			KB					
FKC 30K-6	FKC 30K-4	36	0,1	KB 120-3N	120	0,001	1290,-	962-128-127	145,-
FKC 30K-5	FKC 30K-4	36	0,1	KB 1200-2N	1200	0,01	1280,-	962-128-127	145,-
FKC 60K-6	FKC 60K-4	65	0,2	KB 120-3N	120	0,001	1290,-	962-129-127	160,-
FKC 60K-5	FKC 60K-4	65	0,2	KB 1200-2N	1200	0,01	1280,-	962-129-127	160,-



Quantity scale KERN KFP

Reference scale KERN CFS

Counting system to count the smallest parts in the largest quantities, counting resolution up to 999,999 points

Features

- The highly accurate KERN CCS counting system can replace a whole range of individual balances, efficiently and at a reasonable price

Reference scale KERN CFS

- This professional counting scale, which can also be used as a stand-alone scale, meets the highest demands for accuracy, weighing range and volume of items, by being connected to a high-capacity weighing bridge
- Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- Memory (PLU)** for 100 items with additional text, reference weight and tare weight, e.g. of a container
- Fill-to-target function:** Programmable target quantity or target weight. A signal will be displayed when the target value is reached

- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value

Quantity scale KERN KFP V20 IP65

- The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge) KERN CCS. In this way even the smallest of parts can be counted in large volumes
- weighing plate stainless steel, painted steel base, for models with weighing plate size A – E
- Aluminium singlepoint load cell** (1×3000e), protection against dust and water splashes IP65

Technical data

CFS

- Overall dimensions W×D×H
320×350×180 mm

- Dimensions weighing surface, stainless steel

- CFS 300-3: Ø 80 mm
- CFS 3K-5, CFS 6K0.1: W×D
300×225 mm

- Net weight approx. 2,6 kg

KFP/KFU

- Weighing plate dimensions W×D×H, stainless steel
 - A 230×230×110 mm
 - B 300×240×110 mm
 - C 400×300×128 mm
 - D 500×400×137 mm
 - E 500×650×135 mm
 - F 1000×1000×80 mm
 - G 1500×1250×80 mm
 - H 1500×1500×80 mm
 - I 842×1300×90 mm
- Connection cable approx.
 - A – E 2 m
 - F – I 5 m

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 60 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **2 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

! Information on other high-capacity bulk balances, such as, for example, pallet scales, drive-through scales or floor scales is available on request, for information on other counting systems with the KERN CFS reference balance ($d = 0.1 \text{ g}$), please refer to the website

STANDARD										OPTION		
CAL EXT	MEMORY	RS 232	DUAL	PCS	SUM	A TOL	DMS	4 DAYS	MULTI	ACCU	DAkkS	+3 DAYS

with [Max] > 600 kg

Model	Quantity scale	Weighing range [Max] kg	Readout [d] g	Weighing plate	Reference scale	Weighing range [Max] kg	Readout [d] g	Price excl. of VAT ex works €	Options		
									DAkkS	Calibr.	Certificate
KERN	KFP				CFS				DKD	KERN	€
CCS 6K-6	KFP 6V20M	6	2	A	CFS 300-3	0,3	0,001	670,-	962-128-127	145,-	
CCS 10K-6	KFP 15V20M	15	0,5	B	CFS 300-3	0,3	0,001	710,-	962-128-127	145,-	
CCS 30K0.01.	KFP 30V20M	30	1	C	CFS 3K-5	3	0,01	580,-	962-128-127	145,-	
CCS 30K0.1.	KFP 30V20M	30	1	C	CFS 6K0.1	6	0,1	570,-	962-128-128	175,-	
CCS 60K0.01.	KFP 60V20M	60	0,2	C	CFS 3K-5	3	0,01	580,-	962-129-127	160,-	
CCS 60K0.01L.	KFP 60V20LM	60	0,2	D	CFS 3K-5	3	0,01	660,-	962-129-127	160,-	
CCS 60K0.1.	KFP 60V20M	60	0,2	C	CFS 6K0.1	6	0,1	550,-	962-129-128	175,-	
CCS 60K0.1L.	KFP 60V20LM	60	0,2	D	CFS 6K0.1	6	0,1	610,-	962-129-128	175,-	
CCS 150K0.01	KFP 150V20M	150	5	D	CFS 3K-5	3	0,01	690,-	962-129-127	160,-	
CCS 150K0.01L	KFP 150V20LM	150	5	E	CFS 3K-5	3	0,01	900,-	962-129-127	160,-	
CCS 150K0.1.	KFP 150V20M	150	5	D	CFS 6K0.1	6	0,1	610,-	962-129-128	175,-	
CCS 150K0.1L	KFP 150V20LM	150	5	E	CFS 6K0.1	6	0,1	860,-	962-129-128	175,-	
CCS 300K0.1	KFP 300V20M	300	10	E	CFS 6K0.1	6	0,1	860,-	962-129-128	175,-	
CCS 300K0.01	KFP 300V20M	300	10	E	CFS 3K-5	3	0,01	900,-	962-129-127	160,-	
CCS 600K-2	KFP 600V20SM	600	200	F	CFS 3K-5	3	0,01	1600,-	962-130-127	237,-	
CCS 600K-2L	KFP 600V20M	600	200	G	CFS 3K-5	3	0,01	1990,-	962-130-127	237,-	
CCS 600K-2U	KFU 600V20M	600	200	I	CFS 3K-5	3	0,01	1550,-	962-130-127	237,-	
CCS 1T-1	KFP 1500V20SM	1500	500	F	CFS 6K0.1	6	0,1	1550,-	962-130-128	253,-	
CCS 1T-1L	KFP 1500V20M	1500	500	G	CFS 6K0.1	6	0,1	1930,-	962-130-128	253,-	
CCS 1T-1U	KFU 1500V20M	1500	500	I	CFS 6K0.1	6	0,1	1480,-	962-130-128	253,-	
CCS 3T-1	KFP 3000V20M	3000	1000	G	CFS 6K0.1	6	0,1	1950,-	962-132-128	528,-	
CCS 3T-1L	KFP 3000V20LM	3000	1000	H	CFS 6K0.1	6	0,1	2150,-	962-132-128	528,-	

PREMIUM



Quantity scale KERN KXP

Reference scale KERN ILT

Premium counting system for high-capacity counting applications with the highest level of accuracy, counting resolution up to 6 million points

Features

- The highly accurate KERN CCP counting system can replace a whole range of individual balances, efficiently and at a reasonable price
- 1 High level of connectivity:** Thanks to a range of integrated interfaces
- 2 Easy entering of item data using the connected barcode or RFID scanner**
- USB interface** for transferring weighing data to the PC, printer, USB sticks etc.
- Alibi memory:** electronic archiving of weighing results
- User-friendly batch management** with batch master and batch number assignment, classification, batch derivation, batch determination, batch status management, shelf-life processing, documentary, original

and WIP batches, batch-specific units of measure, batch where-used list

- 3** On the basis of the KERN ILT reference balance, you can put together a wide range of high-performance counting systems, for example, with an additional bulk balance, to cover more weighing ranges - your KERN product specialist will be pleased to advise you
- For additional details on the reference scale, see KERN ILT
- For additional details on the quantity scale see KERN KXP/KFP

Technical data

ILT

- Large backlit LCD touch display, digit height 21 mm, screen diagonal 5,7" (115×86 mm)

- Dimensions weighing surface, stainless steel
ILT 6K-4BAM: W×D 195×195 mm
ILT 6K-3GAM: W×D 230×230 mm
ILT 10K-3GAM: W×D 300×240 mm
- Connection cable approx.
ILT-BAM: 1,5 m
- Cable length of display device approx.
ILT-BAM: 1 m
ILT-GAM: 2,5 m
- Permissible ambient temperature
ILT-BAM: 15 °C/30 °C
ILT-GAM: -10 °C/40 °C

4 KXP V20 IP65 / 5 KFP V20 IP67

- Dimensions weighing surface
 - A W×D 300×240 mm, stainless steel
 - B W×D 400×300 mm, stainless steel
 - C W×D 500×400 mm, stainless steel
 - D W×D 650×500 mm, stainless steel
 - E W×D 1500×1250 mm, steel, painted
 - F W×D 1500×1500 mm, steel, painted
- Permissible ambient temperature
-10 °C/40 °C

Accessories

- Suitable printers** and further, extensive accessories see internet

STANDARD

CAL EXT	MEMORY	ALIBI	RS 232	USB	WLAN	SWITCH	LAN	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	IP 65	IP 67	MULTI	DMS	23 DAYS	25 DAYS	3 YEARS WARRANTY	DAkkS +3 DAYS

4 5
with [Max] ≥ 600 kg

OPTION
DAkkS
+3 DAYS

Model	Quantity scale	Weighing range [Max] kg	Readout [d] g	Weighing plate	Reference scale	Weighing range [Max] kg	Readout [d] g	Price excl. of VAT ex works €	Options	
									DAkkS Calibr. Certificate	DKD KERN €
KERN	KXP				ILT					
CCP 10K-4	KXP 15V20M	15	0,5	A	ILT 6K-4BAM	6	0,1	2900,-	962-128-128	175,-
CCP 30K-4	KXP 30V20M	30	1	B	ILT 6K-4BAM	6	0,1	3000,-	962-128-128	175,-
CCP 60K-4	KXP 60V20M	60	2	B	ILT 6K-4BAM	6	0,1	2900,-	962-129-128	175,-
CCP 60K-4L	KXP 60V20LM	60	2	C	ILT 6K-4BAM	6	0,1	3000,-	962-129-128	175,-
CCP 100K-3	KXP 150V20M	150	5	C	ILT 10K-3GAM	6 15	2 5	2600,-	962-129-128	175,-
CCP 300K-4	KXP 300V20M	300	10	D	ILT 6K-4BAM	6	0,1	3300,-	962-129-128	175,-
CCP 600K-3	KXP 600V20M	600	200	E	ILT 6K-3GAM	3 6	1 2	3800,-	962-130-128	253,-
CCP 600K-4	KXP 600V20M	600	200	E	ILT 6K-4BAM	6	0,1	4200,-	962-130-128	253,-
CCP 3T-7	KXP 3000V20M	3000	1000	E	ILT 6K-4BAM	6	0,1	4300,-	962-132-128	528,-
CCP 3T-7L	KFP 3000V20LM	3000	1000	E	ILT 6K-4BAM	6	0,1	4200,-	962-132-128	528,-

! ONLY WHILE STOCKS LAST!



PREMIUM



Reference scale KERN PLJ-C

Quantity scale KERN ILT

Premium counting system with EC type approval [M],
for complex counting applications with the highest level of
accuracy, counting resolution up to 6 million points

Features

- The highly accurate KERN CCT counting system can replace a whole range of individual balances, efficiently and at a reasonable price
 - **Thanks to EC type approval [M]** this counting system can also be used in verified applications, e.g. for order picking packaged items, etc.
 - **Alibi memory:** electronic archiving of weighing results
 - **High level of connectivity:** Thanks to a range of integrated interfaces
 - **USB interface** for transferring weighing data to the PC, printer, USB sticks etc.
 - **Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC. In this way the data related to these processes

is documented accurately, efficiently and clearly

- For additional details on the reference scale, see KERN PLJ-C/AEJ-C
 - For additional details on the quantity scale see KERN ILT

Technical data

PLJ-C

- Backlit LCD display, digit height 17 mm
 - Dimensions weighing surface, stainless steel
PLJ 300-3CM, PLJ 600-3CM: WxD 128×128 mm
PLJ 3000-2CM: WxD 195×195 mm
 - Overall dimensions WxDxH
206×333×99,5 mm (without draught shield)
206×333×167,2 mm (incl. draught shield)
 - Net weight approx. 4,8 kg
 - Permissible ambient temperature
10 °C/40 °C

AEJ-C

- Backlit LCD display, digit height 17 mm
 - Dimensions weighing surface, stainless steel, Ø 85 mm
 - Overall dimensions WxDxH
206×335×335 mm
 - Net weight approx. 6 kg
 - Permissible ambient temperature
10 °C/40 °C

ILT

- Dimensions weighing surface, stainless steel
 - [A] WxD 195x195 mm
 - [B] WxD 300x240 mm
 - [C] WxD 400x300 mm, see larger picture
 - [D] WxD 500x400 mm
 - Connection cable approx. 1,5 m
 - Cable length of display device approx.
ILT-BAM: 1 m
ILT-GAM: 2,5 m
 - Permissible ambient temperature
15 °C/30 °C

Accessories

- **Suitable printers** and further, extensive accessories see internet



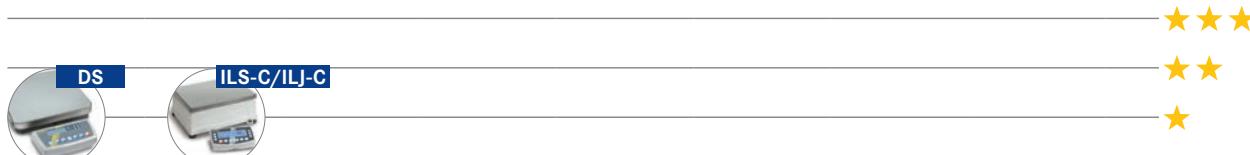
Model	Quantity scale	Weighing range [Max]	Readout [d]	Weighing plate	Reference scale	Weighing range [Max]	Readout [d]	Price excl. of VAT ex works €	Options			
									Verification		DAkkS Calibr. Certificate	
									MII	KERN	DKD	KERN
KERN	ILT	kg	g	PLJ	PLJ 300-3CM	kg	g	€		€		€
CCT 6K-6	ILT 6K-4BAM	6	0,1	A	PLJ 300-3CM	0,36	0,001	4100,-	965-217-216	143,-	962-128-127	145,-
CCT 10K-6	ILT 10K-3GAM	6 15	2 5	B	PLJ 300-3CM	0,36	0,001	2700,-	965-228-216	121,-	962-128-127	145,-
CCT 10K-7	ILT 10K-3GAM	6 15	2 5	B	AEJ 200-4CM	0,22	0,0001	3100,-	965-228-201	165,-	962-128-101	226,-
CCT 30K-5	ILT 30K-2GAM	15 30	5 10	C	PLJ 3000-2CM	3,5	0,01	2800,-	965-228-216	121,-	962-128-127	145,-
CCT 60K-6	ILT 60K-2GAM	30 60	10 20	C	PLJ 600-3CM	0,6	0,001	2800,-	965-229-216	159,-	962-129-127	160,-
CCT 60K-5	ILT 60K-2GAM	30 60	10 20	C	PLJ 3000-2CM	3,5	0,01	2800,-	965-229-216	159,-	962-129-127	160,-
CCT 60K-5L	ILT 60K-2LGAM	30 60	10 20	D	PLJ 3000-2CM	3,5	0,01	3000,-	965-229-216	159,-	962-129-127	160,-
CCT 100K-5	ILT 100K-2GAM	60 150	20 50	D	PLJ 3000-2CM	3,5	0,01	2900,-	965-229-216	159,-	962-129-127	160,-
CCT 100K-5L	ILT 100K-2LGAM	60 150	20 50	D	PLJ 3000-2CM	3,5	0,01	3000,-	965-229-216	159,-	962-129-127	160,-
CCT 300K-5	ILT 300K-2GAM	150 300	50 100	D	PLJ 3000-2CM	3,5	0,01	3000,-	965-229-216	159,-	962-129-127	160,-

! ONLY WHILE STOCKS LAST !

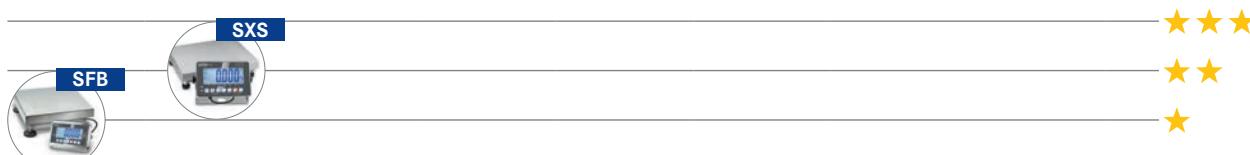
Platform scales

Here you'll find a complete summary of the KERN platform scales series and their positioning within the platform scales segment on the basis of application, price-performance ratio and functional volume

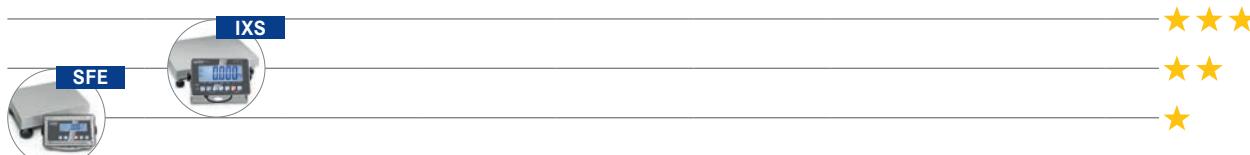
PRECISION PLATFORM SCALES



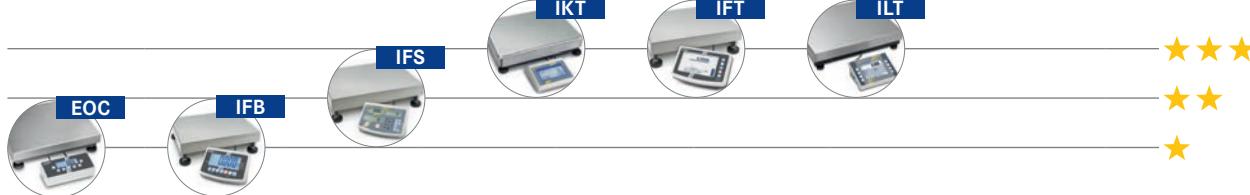
STAINLESS STEEL PLATFORM SCALES



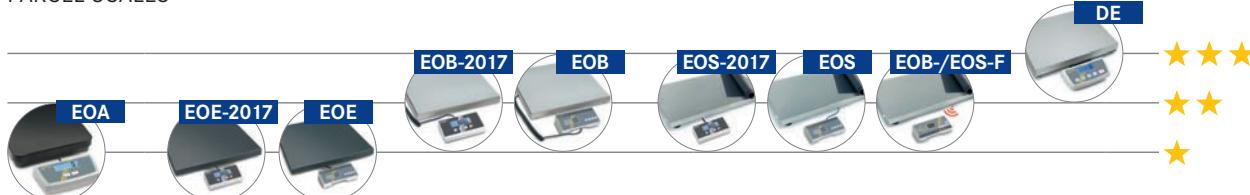
IP PROTECTED PLATFORM SCALES



INDUSTRIAL PLATFORM SCALES



PARCEL SCALES



Your product specialist's recommendation:

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Easy to use

Robust finish



Stephan Ade
Product specialist Platform scales

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Fax +49 [0]7433 9933-29121
ade@kern-sohn.com



from €
290,-

► page 96/97

Quick-Finder Platform scales

Read-out [d]	Weighing range [Max]	Weighing plate WxD mm	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	PCS	IP	BATT	ACCU
							For an explanation on the pictos, see the front flap								
0,01 g	3 kg	228×228×90	DS 3K0.01S	640,-	99	1	○		●		●	●	●		○
0,01 g	3 kg	228×228×90	IKT 3K0.01S	920,-	105	1	○		●		●	●	●		○
0,01 g	10 kg	347×259×24	ILT 10K-5NM	5500,-	108	21	○	●			●	●	●	●	●
0,05 g	5 kg	228×228×90	DS 5K0.05S	560,-	99	1	○		●		●	●	●		○
0,05 g	8 kg	308×318×75	DS 8K0.05	550,-	99	1	○		●		●	●	●		○
0,05 g	8 kg	318×308×75	IKT 8K0.05	850,-	105	1	○		●		●	●	●		○
0,1 g	6 kg	315×308×75	IKT 6K0.1	830,-	105	1	○		●		●	●	●		○
0,1 g	6 kg	195×195×7	ILT 6K-4BAM	2200,-	108	21	○		●		●	●	●	●	●
0,1 g	10 kg	228×228×90	DS 10K0.1S	530,-	99	1	○		●		●	●	●		○
0,1 g	10 kg	228×228×70	IKT 10K0.1S	850,-	105	1	○		●		●	●	●		○
0,1 g	16 kg	308×318×75	DS 16K0.1	550,-	99	1	○		●		●	●	●		○
0,1 g	16 kg	318×308×75	IKT 16K0.1	850,-	105	1	○		●		●	●	●		○
0,1 g	20 kg	308×318×75	DS 20K0.1	580,-	99	1	○		●		●	●	●		○
0,1 g	25 kg	347×260×27	ILJ 25K-4CM	2050,-	109	1	○	●			●	●	●		
0,1 g	30 kg	308×318×75	DS 30K0.1	610,-	99	1	○		●		●	●	●		○
0,1 g	30 kg	450×350×115	DS 30K0.1L	720,-	99	1	○		●		●	●	●		○
0,1 g	30 kg	318×308×75	IKT 30K0.1	850,-	105	1	○		●		●	●	●		○
0,1 g	30 kg	450×350×115	IKT 30K0.1L	1150,-	105	1	○		●		●	●	●		○
0,1 g	30 kg	347×259×26	ILS 30K-4C	1790,-	109	1			●		●	●	●		
0,1 g	35 kg	347×259×24	ILT 35K-4NM	4690,-	108	21	○	●			●	●	●	●	●
0,1 g	50 kg	347×259×24	ILT 50K-4C	5500,-	108	21	○	●			●	●	●	●	●
0,1 g	50 kg	348×260×28	ILS 50K-4C	2330,-	109	1			●		●	●	●		
0,2 g	6 kg	300×240×86	IXS 6K-4	520,-	103	1	○		●		○	●	●	●	○
0,2 g	6 kg	300×240×110	IFB 6K-4	320,-	98	1	○		●		●	●	●	●	○
0,2 g	12 kg	318×308×75	IKT 12K0.2	830,-	105	1	○		●		●	●	●		○
0,2 g	36 kg	308×318×75	DS 36K0.2	550,-	99	1	○		●		●	●	●		○
0,2 g	36 kg	450×350×115	DS 36K0.2L	660,-	99	1	○		●		●	●	●		○
0,2 g	36 kg	318×308×75	IKT 36K0.2	850,-	105	1	○		●		●	●	●		○
0,2 g	36 kg	450×350×115	IKT 36K0.2L	1050,-	105	1	○		●		●	●	●		○
0,2 g	60 kg	450×350×115	DS 60K0.2	740,-	99	1	○		●		●	●	●		○
0,2 g	60 kg	450×350×115	IKT 60K0.2L	1120,-	105	1	○		●		●	●	●		○
0,2 0,5 g	6 15 kg	318×308×85	DE 15K0.2D	335,-	95	1		●			●	●	●	●	●
0,2 0,5 g	6 15 kg	300×300×100	EOC 10K-4	390,-	97	1		●			●	●	●	●	○
0,5 g	6 kg	300×300×100	EOC 6K-4A	350,-	97	1		●			●	●	●	●	○
0,5 g	6 kg	318×308×75	DE 6K0.5A	215,-	95	1		●			●	●	●	●	●
0,5 g	15 kg	300×240×105	IFB 10K-4	320,-	98	1	○		●		●	●	●		○
0,5 g	15 kg	400×300×128	IFB 10K-4L	390,-	98	1	○		●		●	●	●		○
0,5 g	15 kg	300×240×86	IXS 10K-4	520,-	103	1	○		●		○	●	●		○
0,5 g	15 kg	400×300×89	IXS 10K-4L	720,-	103	1	○		●		○	●	●		○
0,5 g	30 kg	318×308×75	IKT 30K0.5	830,-	105	1	○		●		●	●	●		○
0,5 g	65 kg	450×350×115	DS 65K0.5	700,-	99	1	○		●		●	●	●		○
0,5 g	65 kg	450×350×115	IKT 65K0.5L	1050,-	105	1	○		●		●	●	●		○
0,5 g	100 kg	450×350×115	DS 100K0.5	740,-	99	1	○		●		●	●	●		○
0,5 g	100 kg	450×350×115	IKT 100K0.5L	1150,-	105	1	○		●		●	●	●		○
0,5 1 g	15 35 kg	318×308×85	DE 35K0.5D	335,-	95	1		●			●	●	●	●	●
0,5 1 g	15 35 kg	500×400×120	EOC 30K-4	450,-	97	1		●			●	●	●	●	●
1 g	6 kg	318×308×75	IKT 6K1M	990,-	105	1	○		●		●	●	●		
1 g	12 kg	318×308×75	DE 12K1A	215,-	95	1		●			●	●	●	●	●
1 g	12 kg	300×300×100	EOC 10K-3A	350,-	97	1		●			●	●	●	●	○
1 g	30 kg	400×300×120	IFB 30K-3	390,-	98	1	○		●		●	●	●		○
1 g	30 kg	400×300×89	IXS 30K-3	590,-	103	1	○		●		○	●	●		○
1 g	30 kg	500×400×123	IXS 30K-3L	720,-	103	1	○		●		○	●	●		○
1 g	60 kg	450×350×115	IKT 60K1L	1050,-	105	1	○		●		●	●	●		○
1 g	60 kg	503×403×51	ILT 60K-3BAM	2400,-	108	21	○		●		●	●	●		●
1 g	65 kg	450×350×115	DS 65K1M	790,-	99	1	○		●		●	●	●		○
1 g	150 kg	450×350×115	DS 150K1	740,-	99	1	○		●		●	●	●		○
1 g	150 kg	450×350×115	IKT 150K1L	1150,-	105	1	○		●		●	●	●		○
1 2 g	3 6 kg	318×308×75	DE 6K1D	185,-	95	1		●			●	●	●	●	●
1 2 g	3 6 kg	300×300×100	EOC 6K-3	310,-	97	1		●			●	●	●	●	○
1 2 g	3 6 kg	300×240×110	IFB 6K1DM	335,-	98	1	○		●		●	●	●		○
1 2 g	3 6 kg	300×240×86	IXS 6K-3M	520,-	103	1	○		●		○	●	●		○
1 2 g	3 6 kg	300×240×100	IFT 6K-3M	1440,-	107	3		●		●	●	●	●		○
1 2 g	3 6 kg	230×230×100	ILT 6K-3GAM	2200,-	108	21	○		●		●	●	●		●
1 2 g	30 60 kg	318×308×85	DE 60K1D	335,-	95	1		●			●	●	●	●	●
1 2 g	30 60 kg	300×300×110	EOC 60K-3	390,-	97	1		●			●	●	●		○
1 2 g	30 60 kg	522×406×100	DE 60K1DL	435,-	95	1		●			●	●	●		●
1 2 g	30 60 kg	500×400×120	EOC 60K-3L	450,-	97	1		●			●	●	●		○
2 g	6 kg	300×240×110	SFE 6K-3NM	390,-	100	1	○		●						●
2 g	12 kg	318×308×75	IKT 12K2M	990,-	105	1	○		●		●	●	●		○
2 g	24 kg	318×308×75	DE 24K2A	215,-	95	1		●			●	●	●		●
2 g	24 kg	300×300×100	EOC 20K-3A	350,-	97	1		●			●	●	●		○
2 g	60 kg	500×400×123	IXS 60K-3L	720,-	103	1	○		●		○	●	●		○

NEW 2017

● = standard ○ = option

Quick-Finder Platform scales

Read-out [d]	Weighing range [Max]	Weighing plate WxD mm	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL INT	CAL EXT	MEMORY	RS 232	PCS	IP	BATT	ACCU
							For an explanation on the pictos, see the front flap								
2 g	60 kg	400×300×128	IFB 60K-3	390,-	98	1	○		●		●	●	●		○
2 g	60 kg	500×400×130	IFB 60K-3L	490,-	98	1	○		●		●	●	●	●	○
2 g	60 kg	400×300×89	IXS 60K-3	590,-	103	1	○		●		○	●	●	●	○
2 g	120 kg	450×350×115	IKT 120K2L	1050,-	105	1	○		●	●	●	●	●		○
2 g	150 kg	650×500×142	IKT 150K2XL	1200,-	105	1	○		●	●	●	●	●		○
2 5 g	6 15 kg	318×308×75	DE 15K2D	185,-	95	1			●		●	●	●	●	○
2 5 g	6 12 kg	300×300×100	EOC 10K-3	310,-	97	1			●		●	●	●	●	○
2 5 g	6 15 kg	300×240×110	IFB 15K2DM	335,-	98	1	○		●		●	●	●	●	○
2 5 g	6 15 kg	400×300×128	IFB 15K2DLM	400,-	98	1	○		●		●	●	●	●	○
2 5 g	6 15 kg	300×240×86	IXS 10K-3M	520,-	103	1	○		●		○	●	●	●	○
2 5 g	6 15 kg	400×300×89	IXS 10K-3LM	590,-	103	1	○		●		○	●	●	●	○
2 5 g	6 15 kg	300×240×100	IFT 10K-3M	1390,-	107	3			●	●	●	●	●	●	○
2 5 g	6 15 kg	400×300×128	IFT 10K-3LM	1490,-	107	3			●	●	●	●	●	●	○
2 5 g	6 15 kg	300×240×100	ILT 10K-3GAM	1900,-	108	21	○		●	●	●	●	●	●	○
2 5 g	6 15 kg	400×300×128	ILT 10K-3LGAM	2000,-	108	21	○		●	●	●	●	●	●	
5 g	15 kg	315×305×30	EOA 10K-3	110,-	88	1			●						○
5 g	15 kg	300×300×65	EOE 10K-3-2017	130,-	89	1			●						○
5 g	15 kg	300×300×65	EOB 15K5-2017	145,-	90	1			●						○
5 g	15 kg	315×305×65	EOE 10K-3	135,-	91	1			●						○
5 g	15 kg	315×305×55	EOB 15K5	152,-	92	1			●						○
5 g	15 kg	300×240×110	SFE 15K5IPM	380,-	100	1	○		●						○
5 g	15 kg	400×300×128	SFE 10K-3LN	440,-	100	1	○		●						○
5 g	30 kg	318×308×75	IKT 30K5M	1010,-	105	1	○		●	●	●	●	●		○
5 g	60 kg	318×308×75	DE 60K5A	215,-	95	1			●		●	●	●	●	○
5 g	60 kg	300×300×110	EOC 60K-3A	350,-	97	1			●		●	●	●	●	○
5 g	150 kg	500×400×137	IFB 100K-3	490,-	98	1	○		●		●	●	●	●	○
5 g	150 kg	650×500×142	IFB 100K-3L	690,-	98	1	○		●		●	●	●	●	○
5 g	150 kg	650×500×133,5	IXS 100K-3L	790,-	103	1	○		●		○	●	●	●	○
5 g	150 kg	500×400×123	IXS 100K-3	720,-	103	1	○		●		○	●	●	●	○
5 g	300 kg	650×500×142	IKT 300K5XL	1200,-	105	1	○		●	●	●	●	●		○
5 10 g	15 30 kg	300×300×110	EOC 30K-3	310,-	97	1			●		●	●	●	●	○
5 10 g	15 30 kg	400×300×120	IFB 30K5DM	400,-	98	1	○		●		●	●	●	●	○
5 10 g	15 30 kg	400×300×89	IXS 30K-2M	590,-	103	1	○		●		○	●	●	●	○
5 10 g	15 30 kg	500×400×123	IXS 30K-2LM	720,-	103	1	○		●		○	●	●	●	○
5 10 g	15 30 kg	400×300×128	IFT 30K-3M	1490,-	107	3			●	●	●	●	●	●	○
5 10 g	15 30 kg	400×300×118	ILT 30K-2GAM	2200,-	108	21	○		●	●	●	●	●	●	○
5 10 g	15 35 kg	318×308×75	DE 35K5D	185,-	95	1			●		●	●	●	●	○
5 10 g	15 35 kg	522×403×90	DE 35K5DL	315,-	95	1			●		●	●	●	●	○
5 10 g	15 35 kg	500×400×120	EOC 30K-3L	390,-	97	1			●		●	●	●	●	○
5 10 g	150 300 kg	522×406×100	DE 300K5DL	435,-	95	1			●		●	●	●	●	○
5 10 g	150 300 kg	500×400×120	EOC 300K-3	450,-	97	1			●		●	●	●	●	○
10 g	35 kg	315×305×30	EOA 30K-2	110,-	88	1			●						○
10 g	35 kg	300×300×65	EOE 30K-2-2017	130,-	89	1			●						○
10 g	35 kg	300×300×65	EOB 35K10-2017	145,-	90	1			●						○
10 g	35 kg	315×305×65	EOE 30K-2	135,-	91	1			●						○
10 g	35 kg	315×305×55	EOB 35K10	152,-	92	1			●						○
10 g	35 kg	315×305×55	EOB 35K-2F	210,-	93	1			●						○
10 g	30 kg	300×240×110	SFE 30K-2NM	380,-	100	1	○		●						○
10 g	60 kg	450×355×110	IKT 60K10LM	1250,-	105	1	○		●	●	●	●	●		○
10 g	120 kg	318×308×75	DE 120K10A	215,-	95	1			●		●	●	●	●	○
10 g	120 kg	500×400×120	EOC 100K-2A	390,-	97	1			●		●	●	●	●	○
10 g	300 kg	650×500×142	IFB 300K-2	690,-	98	1	○		●		●	●	●	●	○
10 g	300 kg	650×500×133,5	IXS 300K-2	790,-	103	1	○		●		○	●	●	●	○
10 20 g	30 60 kg	318×308×75	DE 60K10D	185,-	95	1			●		●	●	●	●	○
10 20 g	30 60 kg	522×403×90	DE 60K10DL	315,-	95	1			●		●	●	●	●	○
10 20 g	30 60 kg	300×300×110	EOC 60K-2	310,-	97	1			●		●	●	●	●	○
10 20 g	30 60 kg	500×400×120	EOC 60K-2L	390,-	97	1			●		●	●	●	●	○
10 20 g	30 60 kg	400×300×120	IFB 60K10DM	410,-	98	1	○		●		●	●	●	●	○
10 20 g	30 60 kg	500×400×130	IFB 60K10DLM	505,-	98	1	○		●		●	●	●	●	○
10 20 g	30 60 kg	400×300×89	IXS 60K-2M	590,-	103	1	○		●		○	●	●	●	○
10 20 g	30 60 kg	500×400×123	IXS 60K-2LM	720,-	103	1	○		●		○	●	●	●	○
10 20 g	30 60 kg	400×300×128	IFT 60K-2M	1490,-	107	3			●	●	●	●	●	●	○
10 20 g	30 60 kg	500×400×137	IFT 60K-2LM	1590,-	107	3			●	●	●	●	●	●	○
10 20 g	30 60 kg	500×400×137	ILT 60K-2LGAM	2150,-	108	21	○		●	●	●	●	●	●	○
10 20 g	30 60 kg	400×300×118	ILT 60K-2GAM	2200,-	108	21	○		●	●	●	●	●	●	
20 g	60 kg	315×305×30	EOA 50K-2	110,-	88	1			●						○
20 g	60 kg	300×300×65	EOE 60K-2-2017	130,-	89	1			●						○
20 g	60 kg	550×550×65	EOE 60K-2L-2017	265,-	89	1			●						○
20 g	60 kg	300×300×65	EOB 60K20-2017	145,-	90	1			●						○
20 g	60 kg	550×550×65	EOB 60K20L-2017	330,-	90	1			●						○
20 g	60 kg	315×305×65	EOE 60K-2	135,-	91	1			●						○
20 g	60 kg	315×305×55	EOB 60K20	152,-	92	1			●						○

NEW 2017

● = standard ○ = option

Quick-Finder Platform scales

Read-out [d]	Weighing range [Max]	Weighing plate WxD mm	Model	Price excl. of VAT ex works €	Page												
							For an explanation on the pictos, see the front flap										
20 g	60 kg	550x550x75	EOB 60K20L	350,-	92	1											
20 g	60 kg	315x305x55	EOB 60K-2F	215,-	93	1											
20 g	60 kg	550x550x65	EOB 60K-2LF	430,-	93	1											
20 g	60 kg	400x300x128	SFE 60K-2NM	430,-	100	1											
20 g	60 kg	500x400x137	SFE 60K-2LNM	550,-	100	1											
20 g	120 kg	450x350x115	IKT 120K20LM	1250,-	105	1											
20 g	600 kg	800x600x200	IFB 600K-2	750,-	98	2											
20 50 g	60 150 kg	318x308x75	DE 150K20D	195,-	95	1											
20 50 g	60 150 kg	522x403x90	DE 150K20DL	315,-	95	1											
20 50 g	60 150 kg	318x308x85	DE 150K2D	340,-	95	1											
20 50 g	60 150 kg	650x500x105	DE 150K20DXL	410,-	95	1											
20 50 g	60 150 kg	522x406x100	DE 150K2D	435,-	95	1											
20 50 g	60 150 kg	300x300x110	EOC 100K-2	310,-	97	1											
20 50 g	60 150 kg	500x400x120	EOC 100K-2L	390,-	97	1											
20 50 g	60 150 kg	300x300x110	EOC 100K-3	390,-	97	1											
20 50 g	60 150 kg	500x400x120	EOC 100K-3L	450,-	97	1											
20 50 g	60 150 kg	600x500x150	EOC 100K-2XL	520,-	97	1											
20 50 g	60 150 kg	950x500x60	EOC 100K-2XXL	540,-	97	1											
20 50 g	60 150 kg	500x400x130	IFB 150K20DM	505,-	98	1											
20 50 g	60 150 kg	650x500x142	IFB 150K20DLM	665,-	98	1											
20 50 g	60 150 kg	500x400x123	IXS 100K-2M	720,-	103	1											
20 50 g	60 150 kg	650x500x133,5	IXS 100K-2LM	790,-	103	1											
20 50 g	60 150 kg	500x400x137	IFT 100K-2M	1490,-	107	3											
20 50 g	60 150 kg	650x500x142	IFT 100K-2LM	1750,-	107	3											
20 50 g	60 150 kg	500x400x137	ILT 100K-2GAM	2100,-	108	21											
20 50 g	60 150 kg	650x500x142	ILT 100K-2LGAM	2200,-	108	21											
50 g	150 kg	315x305x30	EOA 100K-2	110,-	88	1											
50 g	150 kg	300x300x65	EOE 100K-2-2017	130,-	89	1											
50 g	150 kg	550x550x65	EOE 150K50L-2017	265,-	89	1											
50 g	150 kg	950x500x65	EOE 150K50XL-2017	310,-	89	1											
50 g	150 kg	300x300x65	EOB 150K50-2017	145,-	90	1											
50 g	150 kg	550x550x65	EOB 150K50L-2017	330,-	90	1											
50 g	150 kg	950x500x65	EOB 150K50XL-2017	390,-	90	1											
50 g	150 kg	950x500x65	EOS 150K50XL-2017	430,-	90	1											
50 g	150 kg	315x305x65	EOE 100K-2	135,-	91	1											
50 g	150 kg	505x505x65	EOE 150K50L	270,-	91	1											
50 g	150 kg	945x505x65	EOE 150K50XL	315,-	91	1											
50 g	150 kg	315x305x55	EOB 150K50	152,-	92	1											
50 g	150 kg	550x550x75	EOB 150K50L	350,-	92	1											
50 g	150 kg	945x505x65	EOB 150K50XL	400,-	92	1											
50 g	150 kg	900x550x60	EOS 150K50XL	440,-	92	1											
50 g	150 kg	315x305x65	EOB 150K-2F	215,-	93	1											
50 g	150 kg	550x550x65	EOB 150K-2LF	430,-	93	1											
50 g	150 kg	900x550x60	EOS 150K50XL	510,-	93	1											
50 g	150 kg	400x300x125	SFE 100K-2M	450,-	100	1											
50 g	150 kg	500x400x300	SFE 100K-2LM	550,-	100	1											
50 g	150 kg	650x500x132	SFE 100K-2XLNM	770,-	100	1											
50 100 g	150 300 kg	522x403x90	DE 300K50D	315,-	95	1											
50 100 g	150 300 kg	650x500x105	DE 300K50DL	410,-	95	1											
50 100 g	150 300 kg	500x400x120	EOC 300K-2	390,-	97	1											
50 100 g	150 300 kg	600x500x150	EOC 300K-2L	520,-	97	1											
50 100 g	150 300 kg	650x500x142	IFB 300K50DM	665,-	98	1											
50 100 g	150 300 kg	650x500x133,5	IXS 300K-2M	790,-	103	1											
50 100 g	150 300 kg	650x500x142	IFT 300K-2LM	1790,-	107	3											
50 100 g	150 300 kg	650x500x142	ILT 300K-2GAM	2200,-	108	21											
100 g	300 kg	300x300x65	EOE 300K100-2017	135,-	89	1											
100 g	300 kg	550x550x65	EOE 300K100L-2017	265,-	89	1											
100 g	300 kg	950x500x65	EOE 300K100XL-2017	310,-	89	1											
100 g	300 kg	300x300x65	EOB 300K100A-2017	145,-	90	1											
100 g	300 kg	550x550x65	EOB 300K100L-2017	330,-	90	1											
100 g	300 kg	950x500x65	EOB 300K100XL-2017	390,-	90	1											
100 g	300 kg	950x500x65	EOS 300K100XL-2017	430,-	90	1											
100 g	300 kg	505x505x65	EOE 300K100L	270,-	91	1											
100 g	300 kg	945x505x65	EOE 300K100XL	315,-	91	1											
100 g	300 kg	315x305x55	EOB 300K100A	152,-	92	1											
100 g	300 kg	550x550x75	EOB 300K100L	350,-	92	1											
100 g	300 kg	945x505x65	EOB 300K100XL	400,-	92	1											
100 g	300 kg	900x550x60	EOS 300K100XL	440,-	92	1											
100 g	300 kg	550x550x65	EOB 300K-1LF	440,-	93	1											
100 g	300 kg	900x550x60	EOS 300K100XL	510,-	93	1											
100 g	300 kg	650x500x142	SFE 300K-1LN	760,-	100	1											
100 200 g	300 600 kg	800x600x200	IFB 600K-1M	890,-	98	2											

NEW 2017

● = standard ○ = option



2 YEARS
WARRANTY

NEW



The ideal combination of determining weight on conveyors:

High-quality roller conveyors with ball bearings in combination with KERN platform scales

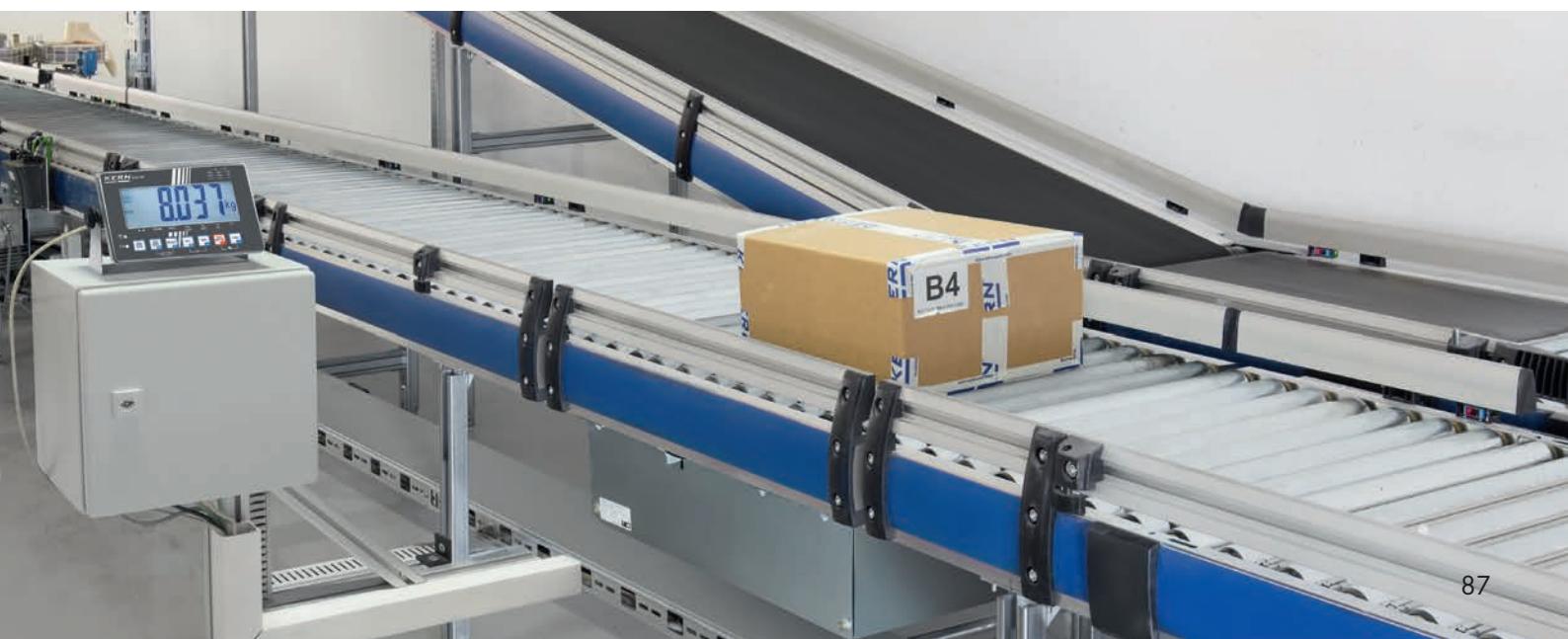
Features

- Through the **smooth-running KERN roller conveyor attachments**, KERN YRO, you can convert your platform scale into a **robust measuring system** for rapid and flexible weight determination in conveyor applications
- Especially **suitable for use in production and dispatch lines** where time means money. The goods or packages can either be weighed as they pass over the balance or, at fixed stations, heavy goods can easily be pushed onto the scale thanks to the roller conveyor and moved onto the connected roller conveyor
- 1 Simply connect the roller conveyor attachment to a platform (e.g. KERN KFP, KXP, SXS, IXS, IFB, IFS) – done!
- **Robust aluminium profile frame.** The modular design means that you can **easily disassemble it for cleaning** or to replace individual components
- **Smooth-running, hot-dip galvanised steel rollers with ball bearings**
- **Conductive rollers** (suitable for use in hazardous areas)
- Suitable for use in **dry environments**

Technical data

- Roller distance approx. 30 mm
- Direction of movement is lengthways
- Total dimensions: W×D×H
YRO-01: 405×305×130 mm,
suitable for platforms with weighing plate sizes W×D 400×300 mm
YRO-02: 505×405×130 mm,
suitable for platforms with weighing plate sizes W×D 500×400 mm
YRO-03: 655×505×130 mm,
suitable for platforms with weighing plate sizes W×D 650×500 mm
- Total net weight approx. YRO-01: 6 kg, YRO-02: 8 kg, YRO-03: 12 kg
- Scope of delivery: 1 roller conveyor attachment (without scale)
- Price excl. of VAT, ex works:
KERN YRO-01, **€ 660,-**
KERN YRO-02, **€ 680,-**
KERN YRO-03, **€ 910,-**

09





Compact parcel scale for fast and easy weighing in the office, production, dispatch etc.

Features

- High mobility:** Battery operation, compact, lightweight construction, recessed grips on the underside and low weight make this balance ideal for use in several locations
- Simple and convenient 2-key operation**
- Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, steel, painted, W×D×H 315×305×30 mm
- Dimensions of display device W×D×H 225×110×45 mm
- Cable length of display device approx. 1,4 m
- Ready for use: Batteries included, 9 V Block, operating time up to 60 h
- Permissible ambient temperature 10 °C/35 °C

Accessories

- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN DE-A12S05, **€ 30,-**
- External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-06, **€ 36,-**

STANDARD					
CAL EXT	BATT	DMS	1 DAY	2 YEARS	

OPTION		
B	MULTI	DAkkS +3 DAYS

Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Options	
						DAkkS	Calibr. Certificate
KERN						DKD	KERN
EOA 10K-3	15	5	5	± 25	110,-	963-128	88,-
EOA 30K-2	35	10	10	± 50	110,-	963-128	88,-
EOA 50K-2	60	20	20	± 100	110,-	963-129	105,-
EOA 100K-2	150	50	50	± 250	110,-	963-129	105,-

NEW



Modern parcel scale with big platform for fast and easy weighing in the office, production, dispatch etc.

Features

- High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations
- Wall mount** for display device, standard
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, steel, painted, W×D×H 300×300×65 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Ready for use: Batteries included, 4×1.5 V AA, operating time up to 100 h
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05-2017, **€ 30,-**
- Stand** to elevate display device, can be retrofitted, for models with weighing plate size A, height of stand approx. 480 mm, KERN EOB-A01N-2017, **€ 50,-**
- Stand** to elevate display device, height of stand approx. 1000 mm, can be retrofitted, KERN MWS-A01-2017, **€ 70,-**
- External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-16, **€ 40,-**

STANDARD		OPTION					
CAL EXT	UNIT	MOVE	BATT	DMS	1 DAY	2 YEARS	B MULTI DAkkS +3 DAYS

Model KERN	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Weighing plate	Net weight approx. kg	Cable length approx. m	Price excl. of VAT ex works €	Options	
								DAkkS	Calibr.
EOE 10K-3-2017	15	5	5	A	3,8	1,8	130,-	963-128	88,-
EOE 30K-2-2017	35	10	10	A	3,8	1,8	130,-	963-128	88,-
EOE 60K-2-2017	60	20	20	A	3,8	1,8	130,-	963-129	105,-
EOE 60K-2L-2017	60	20	20	B	13	2,7	265,-	963-129	105,-
EOE 100K-2-2017	150	50	50	A	3,8	1,8	130,-	963-129	105,-
EOE 150K50L-2017	150	50	50	B	13	2,7	265,-	963-129	105,-
EOE 150K50XL-2017	150	50	50	C	18	2,7	310,-	963-129	105,-
EOE 300K100-2017	300	100	100	A	3,8	1,8	135,-	963-129	105,-
EOE 300K100L-2017	300	100	100	B	13	2,7	265,-	963-129	105,-
EOE 300K100XL-2017	300	100	100	C	18	2,7	310,-	963-129	105,-

NEW



KERN EOB-2017



KERN EOS-2017

Modern parcel and veterinary scales, also with XL platform and large weighing ranges

Features

- weighing plate stainless steel, painted steel base
- **Simple and convenient 4-key operation**
- Wall mount for display device, standard
- **1 Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
 A 300×300×65 mm
 B 550×550×65 mm
 C 550×550×65 mm
 D 950×500×65 mm
 E 950×500×65 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx.
 A 1,8 m
 B – D 2,7 m
- Optional battery operation, 4×1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 5 °C/35 °C

Accessories

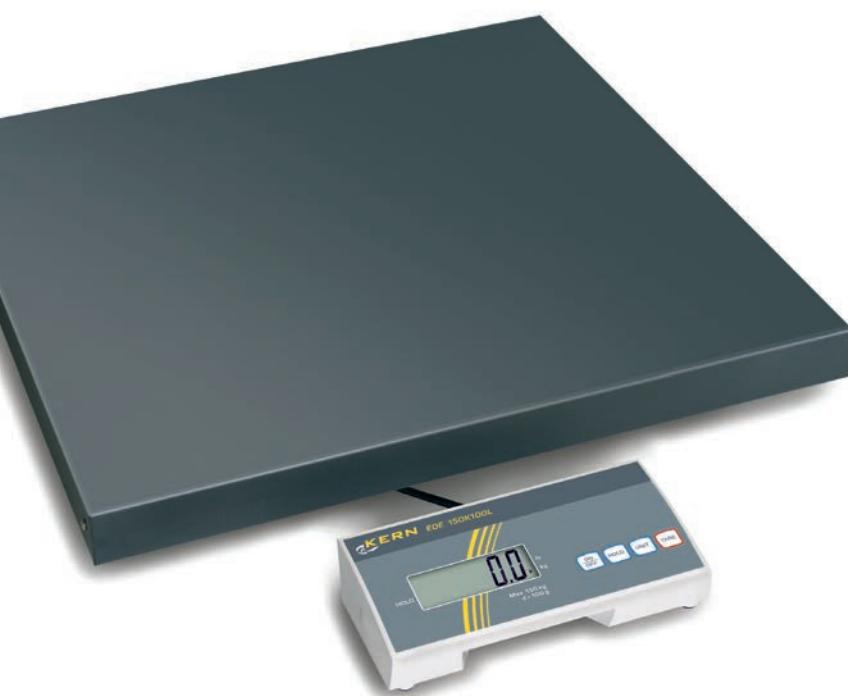
- KERN EOB-2017: **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-16, **€ 40,-**
- KERN EOB-2017: **Stand** to elevate display device, can be retrofitted, for models with weighing plate size A, height of stand approx. 480 mm, KERN EOB-A01N-2017, **€ 50,-**
- **Stand** to elevate display device, height of stand approx. 1000 mm, can be retrofitted, KERN MWS-A01-2017, **€ 70,-**
- **Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05-2017, **€ 30,-**

STANDARD						
CAL EXT	UNIT	MOVE	BATT	DMS	1 DAY	2 YEARS WARRANTY

OPTION	
B MULTI	DAkkS +3 DAYS

EOS-2017

Model	Weighing range	Readout	Reproducibility	Linearity	Net weight approx.	Weighing plate	Price excl. of VAT ex works €	Options	
								DAkkS	Calibr. Certificate
KERN	[Max] kg	[d] g	g	g	kg			DKD KERN	€
EOB 15K5-2017	15	5	5	± 10	3,8	A	145,-	963-128	88,-
EOB 35K10-2017	35	10	10	± 20	3,8	A	145,-	963-128	88,-
EOB 60K20-2017	60	20	20	± 40	3,8	A	145,-	963-129	105,-
EOB 60K20L-2017	60	20	20	± 40	12	C	330,-	963-129	105,-
EOB 150K50-2017	150	50	50	± 100	3,8	A	145,-	963-129	105,-
EOB 150K50L-2017	150	50	50	± 100	12	B	330,-	963-129	105,-
EOB 300K100XL-2017	300	100	100	± 200	17	D	390,-	963-129	105,-
EOB 300K100A-2017	300	100	100	± 200	3,8	A	145,-	963-129	105,-
EOB 300K100L-2017	300	100	100	± 200	12	C	330,-	963-129	105,-
EOB 150K50XL-2017	150	50	50	± 100	17	E	390,-	963-129	105,-
EOS 150K50XL-2017	150	50	50	± 100	17	D	430,-	963-129	105,-
EOS 300K100XL-2017	300	100	100	± 200	17	D	430,-	963-129	105,-



Parcel scale with big platform for fast and easy weighing in the office, production, dispatch etc.

Features

- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations
- **Wall mount** for display device, standard
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, steel, painted W×D×H
 A 315×305×65 mm
 B 505×505×65 mm
 C 945×505×65 mm
- Dimensions of display device W×D×H 210×110×45 mm
- Ready for use: Batteries included, 6×1.5 V AA, operating time up to 60 h
- Permissible ambient temperature 10 °C/35 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05, **€ 46,-**
- **1 Ascending ramp** incl. pair of base plates for models with weighing plate size **B, C**, W×D×H 505×507×61 mm, KERN EOE-A02, **€ 135,-**
- **Non-slip rubber mat**, W×D×H 945×505×5 mm, can be retrofitted, KERN EOE-A01, **€ 45,-**
- **Sturdy transport case** to protect and store the scale, dimensions W×D×H 490×390×120 mm, only for models without stand, KERN MPS-A07, **€ 115,-**

STANDARD		OPTION						
CAL EXT	UNIT	MOVE	BATT	230 V	DMS	1 DAY	2 YEARS	DAkkS +3 DAYS

Model	Weighing range [Max] kg	Readout [d]	Reproducibility g	Linearity g	Weighing plate	Net weight approx. kg	Cable length approx m	Price excl. of VAT ex works €	Options	
									DAkkS	Calibr. Certificate
KERN									DKD	KERN
EOE 10K-3	15	5	5	± 10	A	4	1,8	135,-	963-128	88,-
EOE 30K-2	35	10	10	± 20	A	4	1,8	135,-	963-128	88,-
EOE 60K-2	60	20	20	± 40	A	4	1,8	135,-	963-129	105,-
EOE 100K-2	150	50	50	± 100	A	4	1,8	135,-	963-129	105,-
EOE 150K50L	150	50	50	± 100	B	14	2,7	270,-	963-129	105,-
EOE 150K50XL	150	50	50	± 100	C	19	2,7	315,-	963-129	105,-
EOE 300K100L	300	100	100	± 200	B	13	2,7	270,-	963-129	105,-
EOE 300K100XL	300	100	100	± 200	C	19	2,7	315,-	963-129	105,-



The bestsellers in parcel- and veterinary scales,
also with XL-platform, and big weighing ranges

Features

- weighing plate stainless steel, painted steel base
- **Simple and convenient 4-key operation**
- Wall mount for display device, standard
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- KERN EOS: The scale can be easily transported using rollers and a handle and does not require much storage space

Technical data

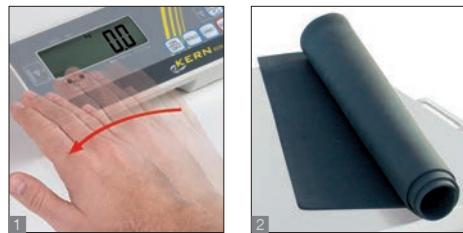
- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
 A 315×305×55 mm
 B 550×550×75 mm, see larger picture
 C 550×550×75 mm
 D 900×550×60 mm
- Dimensions of display device W×D×H 215×110×50 mm
- Cable length of display device approx. 2 m
- Optional battery operation, 6×1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 10 °C/35 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05, **€ 46,-**
- **1 Stand** to elevate display device, height of stand approx. 950 mm, can be retrofitted, KERN MWS-A01, **€ 180,-**
- KERN EOB: **Non-slip rubber mat**, W×D×H 945×505×5 mm, can be retrofitted, KERN EOE-A01, **€ 45,-**
- **2 KERN EOS: Stand** to elevate display device, can be retrofitted, for models with weighing plate size **A**, height of stand approx. 450 mm, KERN EOB-A01N, **€ 80,-**
- KERN EOS: **Non-slip rubber mat**, W×D×H 900×550×5 mm. Can be re-ordered, KERN EOS-A01, **€ 35,-**



Model	Weighing range	Readout	Reproducibility	Linearity	Net weight approx.	Weighing plate	Price excl. of VAT ex works €	Options	
								DAKks Calibr. Certificate	DKD KERN €
KERN	[Max] kg	[d] g	g	g	kg				
EOB 15K5	15	5	5	± 10	4,8	A	152,-	963-128	88,-
EOB 35K10	35	10	10	± 20	4,6	A	152,-	963-128	88,-
EOB 60K20	60	20	20	± 40	4,8	A	152,-	963-129	105,-
EOB 60K20L	60	20	20	± 40	14	B	350,-	963-129	105,-
EOB 150K50	150	50	50	± 100	4,8	A	152,-	963-129	105,-
EOB 150K50L	150	50	50	± 100	14	B	350,-	963-129	105,-
EOB 150K50XL	150	50	50	± 100	19	C	400,-	963-129	105,-
EOB 300K100A	300	100	100	± 200	4,6	A	152,-	963-129	105,-
EOB 300K100L	300	100	100	± 200	14	B	350,-	963-129	105,-
EOB 300K100XL	300	100	100	± 200	19	C	400,-	963-129	105,-
EOS 150K50XL	150	50	50	± 100	19	D	440,-	963-129	105,-
EOS 300K100XL	300	100	100	± 200	19	D	440,-	963-129	105,-



Radio platform scales with touchless tare function

Features

- Display device with integrated radio module** for wireless communication with the weighing platform: ideal for weighing contaminated items, weighing in loud environments or with physical separation. Range approx. 10 m
- 1 Touchless tare function:** by the wave of your hand. No need to operate the scale with dirty gloves anymore
- Network operation:** 3 frequencies for parallel use of several weighing platforms with a single display device
- High mobility** thanks to battery operation for display device and platform
- Simple and convenient 5-key operation**
- Wall mount** for display device, standard
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel W×D×H
 A 315×305×55 mm
 B 550×550×65 mm
 C 900×550×60 mm
- Dimensions of display device W×D×H 215×110×45 mm
- Optional battery operation, 6×1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 10 °C/35 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05, **€ 46,-**
- Stand** to elevate display device, can be retrofitted, for models with weighing plate size **A**, height of stand approx. 450 mm, KERN EOB-A01N, **€ 80,-**
- Stand** to elevate display device, height of stand approx. 950 mm, can be retrofitted, KERN MWS-A01, **€ 180,-**
- 2 KERN EOS-F: Non-slip rubber mat**, W×D×H 900×550×5 mm. Can be re-ordered, KERN EOS-A01, **€ 35,-**

STANDARD								OPTION	
CAL EXT	RC	UNIT	MOVE	BATT	230 V	DMS	1 DAY	2 YEARS EOB-F	3 YEARS EOS-F

Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options		
							DAkkS Calibr. Certificate	KERN	€
EOB 35K-2F	35	10	10	± 20	A	210,-	963-128	88,-	
EOB 60K-2F	60	20	20	± 40	A	215,-	963-129	105,-	
EOB 60K-2LF	60	20	20	± 40	B	430,-	963-129	105,-	
EOB 150K-2F	150	50	50	± 100	A	215,-	963-129	105,-	
EOB 150K-2LF	150	50	50	± 100	B	430,-	963-129	105,-	
EOB 300K-1LF	300	100	100	± 200	B	440,-	963-129	105,-	
EOS 150K50XLF	150	50	50	± 100	C	510,-	963-129	105,-	
EOS 300K100XLF	300	100	100	± 200	C	510,-	963-129	105,-	



The long lasting story of success with dust and spray protected display device



Determination stock level



Animal weighing



Recipe weighing



A



E



2

Features

- High mobility:** thanks to Battery operation/rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- Display device:** flexible positioning, e.g. free-standing or mounted to the wall
- 1 Display device:** plastic, protection against dust and water splashes IP65
- weighing plate stainless steel, painted steel base
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- With the recipe function you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients

Freely programmable weighing unit, e.g.

display direct in special units such as length of thread g/m, paper weight g/m², or similar

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel WxDxH
 - A 318×308×75 mm
 - B 318×308×85 mm
 - C 522×406×100 mm
 - D 522×403×90 mm
 - E 650×500×105 mm
- Dimensions of display device WxDxH 225×110×45 mm
- Optional battery operation, 9 V Block not included, operating time up to 12 h
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN DE-A12S05, € 30,-
- Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN NDE-A02, € 50,-
- Mount to fasten the display device** to the platform, can be retrofitted, KERN DE-A11N, € 35,-
- Wall mount** for display device, KERN DE-A13, € 30,-
- 2 Stand** to elevate display device, height of stand approx. 480 mm, can be retrofitted, KERN DE-A10, € 95,-
- Individual header data:** the free software SHM-01 can be used to print header lines on the printout when using printers YKN-01 and YKB-01N
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD

1

OPTION

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Model	Weighing range [Max] kg	Readout [d]	Reproducibility g	Linearity g	Smallest part weight [counting] g/piece	Cable length approx m	Net weight approx kg	Weighing plate	Price excl. of VAT ex works €	Options	
										DAkkS Calibr. Certificate	KERN €

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

DE 6K1D	3 6	1 2	1 2	± 3 6	4	1,4	4,8		185,-	963-128	88,-
DE 15K2D	6 15	2 5	2 5	± 6 15	10	1,4	4,8		185,-	963-128	88,-
DE 35K5D	15 35	5 10	5 10	± 15 30	10	1,4	4,8		185,-	963-128	88,-
DE 35K5DL	15 35	5 10	5 10	± 15 30	10	1,4	16		315,-	963-128	88,-
DE 60K10D	30 60	10 20	10 20	± 30 60	20	1,4	4,8		185,-	963-129	105,-
DE 60K10DL	30 60	10 20	10 20	± 30 60	20	1,4	16		315,-	963-129	105,-
DE 150K20D	60 150	20 50	20 50	± 60 150	40	1,5	5,0		195,-	963-129	105,-
DE 150K20DL	60 150	20 50	20 50	± 60 150	40	1,5	16		315,-	963-129	105,-
DE 150K20DXL	60 150	20 50	20 50	± 60 150	40	1,4	28		410,-	963-129	105,-
DE 300K50D	150 300	50 100	50 100	± 150 300	200	1,25	16		315,-	963-129	105,-
DE 300K50DL	150 300	50 100	50 100	± 150 300	200	1,05	28		410,-	963-129	105,-

DE 6K0.5A	6	0,5	0,5	± 1,5	1	1,4	4,8		215,-	963-128	88,-
DE 12K1A	12	1	1	± 3	2	1,4	4,8		215,-	963-128	88,-
DE 24K2A	24	2	2	± 6	4	1,4	4,8		215,-	963-128	88,-
DE 60K5A	60	5	5	± 15	10	1,4	4,8		215,-	963-129	105,-
DE 120K10A	120	10	10	± 30	20	1,4	5,0		215,-	963-129	105,-

Dual-range balance with high resolution readout

DE 15K0.2D	6 15	0,2 0,5	0,2 0,5	± 0,8 2	0,4	1	4,0		335,-	963-128	88,-
DE 35K0.5D	15 35	0,5 1	0,5 1	± 2 4	1	1	7		335,-	963-128	88,-
DE 60K1D	30 60	1 2	1 2	± 4 8	2	1,47	7		335,-	963-129	105,-
DE 60K1DL	30 60	1 2	1 2	± 4 8	2	1,4	15		435,-	963-129	105,-
DE 150K2D	60 150	2 5	2 5	± 8 20	4	1,6	7		340,-	963-129	105,-
DE 150K2DL	60 150	2 5	2 5	± 8 20	4	1,4	15		435,-	963-129	105,-
DE 300K5DL	150 300	5 10	5 10	± 20 40	10	1,4	15		435,-	963-129	105,-

NEW



All-round parcel scale with practical
Flip/Flop display device for greatest ease of use



Weighing instead of counting!

Because the counting function is so easy to use, you can rapidly record large numbers of small parts – which saves time and money!



Practical Flip/Flop display device

Flexible positioning e.g. free-standing or screwed to the wall (optional). By rotating the upper housing shell you can determine the angle of the display as well as the cable outlet



(Factory Option ex works for an additional cost, delivery time + 2 working days, KERN KIB-M01, see *Accessories* on the right, please indicate when placing your order)





1



2



3

Features

- High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (laboratory, production, quality control, commissioning etc.)
- 1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- Level indicator** and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- Percentage determination:** makes it possible to store a given weight value (100 %) and to determine deviations from this target value

- Weighing with tolerance range (checkweighing):** a visual and audible signal helps with portioning, dispensing or grading
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- Benchtop stand incl. wall mount** for display device as standard

- Dimensions of display device WxDxH 268x115x80 mm
- Permissible ambient temperature -10 °C/40 °C

Technical data

- Large backlit LCD display, digit height 24 mm
- Weighing plate dimensions WxDxH
 - A 300x300x100 mm
 - B 300x300x110 mm
 - C 500x400x120 mm
 - D 600x500x150 mm
 - E 950x500x60 mm

Accessories

- Protective working cover**, scope of delivery: 5 items KERN EOC-A01S05, **€ 40,-**
- Wall mount** for display device, KERN EOC-A04, **€ 30,-**
- 3 Stand** to elevate display device, height of stand approx. 330 mm, can be retrofitted, KERN EOC-A05, **€ 60,-**
- Conversion of the display device**, to move the cable outlet to the front of the display device, ideal e.g. for subsequent wall installation of the display device (standard configuration ex works: rear outlet), Factory Option, delivery time + 2 working days, KERN KIB-A01, **€ 105,-**

STANDARD

CAL EXT	RS 232	GLP	PRINTER	PCS	SUM	%	TOL	MOVE	IP 65	MULTI	DMS	1 DAY	3 YEARS WARRANTY	OPTION
														DAkkS

Model KERN	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Cable length mm	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAkkS Calibr. Certificate	KERN €
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]									
EOC 6K-3	3 6	1 2	1	3	7	A	310,-	963-128	88,-
EOC 10K-3	6 12	2 5	2	3	7	A	290,-	963-128	88,-
EOC 30K-3	15 35	5 10	5	3	7	A	310,-	963-128	88,-
EOC 30K-3L	15 35	5 10	5	3	11	B	370,-	963-128	88,-
EOC 60K-2	30 60	10 20	5	3	7	A	350,-	963-129	105,-
EOC 60K-2L	30 60	10 20	5	3	11	B	430,-	963-129	105,-
EOC 100K-2	60 150	20 50	5	3	7	A	350,-	963-129	105,-
EOC 100K-2L	60 150	20 50	5	3	11	B	390,-	963-129	105,-
EOC 100K-2XL	60 150	20 50	5	3	24	C	520,-	963-129	105,-
EOC 100K-2XXL	60 150	20 50	5	2,7	16	D	530,-	963-129	105,-
EOC 300K-2	150 300	50 100	5	3	11	B	420,-	963-129	105,-
EOC 300K-2L	150 300	50 100	5	3	24	C	520,-	963-129	105,-
Dual-range balance with high resolution readout									
EOC 10K-4	6 15	0,2 0,5	0,5	3	7	A	370,-	963-128	88,-
EOC 30K-4	15 35	0,5 1	5	3	11	B	350,-	963-128	88,-
EOC 60K-3	30 60	1 2	10	3	7	A	310,-	963-129	105,-
EOC 60K-3L	30 60	1 2	5	3	11	B	380,-	963-129	105,-
EOC 100K-3	60 150	2 5	2	3	7	A	370,-	963-129	105,-
EOC 100K-3L	60 150	2 5	2	3	11	B	450,-	963-129	105,-
EOC 300K-3	150 300	5 10	5	3	11	B	390,-	963-129	105,-



Platform scale in heavy version with EC type approval [M], now also up to [Max] 600 kg

Features

- Tough industry standard** suitable for use in harsh industrial applications
- 1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminum load cell, protection against dust and water splashes IP65, Platform can also be delivered as component without the display device, for details see KERN KFP V20

- Benchtop stand incl. wall mount** for display device as standard

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions, stainless steel W×D×H



- [A] 300×240×110 mm
- [B] 400×300×128 mm
- [C] 500×400×130 mm, see larger picture
- [D] 650×500×142 mm
- [E] 800×600×200 mm

- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, **€ 35,-**
- Rechargeable battery pack internal**, operating time up to 35 h, without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, **€ 35,-**
- Stand** to elevate display device, for models with weighing plate size [A, B]: height of stand approx. 330 mm, KERN IFB-A01, **€ 50,-**
- [C-E]: height of stand approx. 600 mm, KERN IFB-A02, **€ 60,-**
- [A-D]: height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

OPTION

+3 DAYS		+3 DAYS

FACTORY

IFB-M	IFB-M

Model	Weighing range [Max] kg	Read-out [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
								Verification	DAKKS Calibr. Certificate
KERN								M III KERN	DKD KERN
IFB 6K-4	6	0,2	-	-	6	A	320,-	-	-
IFB 10K-4	15	0,5	-	-	6	A	320,-	-	-
IFB 10K-4L	15	0,5	-	-	10	B	390,-	-	-
IFB 30K-3	30	1	-	-	10	B	390,-	-	-
IFB 60K-3	60	2	-	-	10	B	390,-	-	-
IFB 60K-3L	60	2	-	-	13	C	490,-	-	-
IFB 100K-3	150	5	-	-	14	C	490,-	-	-
IFB 100K-3L	150	5	-	-	22	D	690,-	-	-
IFB 300K-2	300	10	-	-	20	D	690,-	-	-
IFB 600K-2	600	20	-	-	46	E	750,-	-	-

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

IFB 6K1DM	3 6	1 2	1 2	20 40	6	A	335,-	965-228	55,-	963-128	88,-
IFB 15K2DM	6 15	2 5	2 5	40 100	6	A	335,-	965-228	55,-	963-128	88,-
IFB 15K2DLM	6 15	2 5	2 5	40 100	10	B	400,-	965-228	55,-	963-128	88,-
IFB 30K5DM	15 30	5 10	5 10	100 200	11	B	400,-	965-228	55,-	963-128	88,-
IFB 60K10DM	30 60	10 20	10 20	40 100	11	B	410,-	965-229	93,-	963-129	105,-
IFB 60K10DLM	30 60	10 20	10 20	200 400	13	C	505,-	965-229	93,-	963-129	105,-
IFB 150K20DM	60 150	20 50	20 50	400 1000	14	C	505,-	965-229	93,-	963-129	105,-
IFB 150K20DLM	60 150	20 50	20 50	400 1000	20	D	665,-	965-229	93,-	963-129	105,-
IFB 300K50DM	150 300	50 100	50 100	1000 2000	22	D	665,-	965-229	93,-	963-129	105,-
IFB 600K-1M	300 600	100 200	100 200	2000 4000	46	E	890,-	965-230	132,-	963-130	165,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Precision industrial scale with laboratory accuracy, also with EC type approval [M] class II

Features

- High-capacity precision balance**, ideal for high volume or heavy samples to be weighed with a high degree of accuracy
- User guidance step by step** on display by Yes/No dialogue
- Numerical subtraction of tare weight for known container weight. Useful for checking fill-levels
- Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value

- KERN DS: Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else

Technical data

- Large backlit LCD display, digit height 18 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A 228×228×90 mm
 - B 308×318×75 mm, see larger picture
 - C 450×350×115 mm



- Dimensions of display device W×D×H
225×115×60 mm
- Cable length of display device approx.
A, B 2 m
C 0,6 m
- Permissible ambient temperature
KERN DS: 10 °C/40 °C
KERN DS-M: 10 °C/30 °C

Accessories

- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN DE-A12S05, **€ 30,-**
- 1 Stand** to elevate display device, height of stand approx. 480 mm, can be retrofitted, KERN DE-A10, **€ 95,-**
- Mount to fasten the display device** to the platform, can be retrofitted, KERN DE-A11N, **€ 35,-**
- Wall mount** for display device, KERN DS-A02, **€ 30,-**
- 2 Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate C, KERN DS-A01, **€ 200,-**
- Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, **€ 50,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD										OPTION			FACTORY	

Model	Weighing range [Max] kg	Readout [d]	Verification value [e] g	Minimal load [Min] g	Smallest part weight [counting] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
									Verification	DAkkS Calibr. Certificate		
KERN												
DS 3K0.01S	3	0,01	-	-	0,01	4,2	A	640,-	-	-	963-127	72,-
DS 5K0.05S	5	0,05	-	-	0,05	4,2	A	560,-	-	-	963-127	72,-
DS 8K0.05	8	0,05	-	-	0,05	8	B	550,-	-	-	963-128	88,-
DS 10K0.1S	10	0,1	-	-	0,1	4,2	A	530,-	-	-	963-128	88,-
DS 16K0.1	16	0,1	-	-	0,1	8	B	550,-	-	-	963-128	88,-
DS 20K0.1	20	0,1	-	-	0,1	8	B	580,-	-	-	963-128	88,-
DS 30K0.1	30	0,1	-	-	0,1	8	B	610,-	-	-	963-128	88,-
DS 30K0.1L	30	0,1	-	-	0,1	10	C	720,-	-	-	963-128	88,-
DS 36K0.2	36	0,2	-	-	0,2	8	B	550,-	-	-	963-128	88,-
DS 36K0.2L	36	0,2	-	-	0,2	10	C	660,-	-	-	963-128	88,-
DS 60K0.2	60	0,2	-	-	0,2	10	C	740,-	-	-	963-129	105,-
DS 65K0.5	65	0,5	-	-	0,5	10	C	700,-	-	-	963-129	105,-
DS 100K0.5	100	0,5	-	-	0,5	10	C	740,-	-	-	963-129	105,-
DS 150K1	150	1	-	-	1	10	C	740,-	-	-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

DS 65K1M	65	1	10	50	1	10	C	790,-	965-218	110,-	963-129	105,-
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Platform scale with dust and spray protection IP65 and EC type approval [M]

Features

- Platform scale protected to IP65 with stainless steel display device, for industrial applications, hygienic and easy to clean
- **1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **Display device:** stainless steel, protection against dust and water splashes IP65, flexible positioning, e.g. free-standing or mounted to the wall, for details see KERN KFE-TM
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading

- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels (only for non-verified models)

Technical data

- Large backlit LCD display, digit height 22 mm
- Weighing plate dimensions, stainless steel WxDxH
 - A** 300×240×110 mm
 - B** 400×300×130 mm
 - C** 500×400×140 mm
 - D** 650×500×140 mm

- Dimensions of display device WxDxH 195×118×83 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Tare pan made of stainless steel,** ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- **Stand** to elevate display device, for models with weighing plate size **A – D:** **2** height of stand approx. 200 mm, KERN SFE-A01, **€ 55,-**
- **Stand** to elevate display device, for models with weighing plate size **B – D:** **3** height of stand approx. 400 mm, KERN SFE-A02, **€ 55,-**
- **Stand** to elevate display device, for models with weighing plate size **C, D:** **3** height of stand approx. 600 mm, KERN SFE-A03, **€ 65,-**

STANDARD	CAL EXT	SUM	TOL	MOVE	IP 65	INOX	ACCU	MULTI	DMS	1 DAY	3 YEARS	OPTION	DAkkS	FACTORY	M
												+3 DAYS		+3 DAYS	

Model	Weighing range [Max] kg	Read-out [d]	Verification value [e]	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								M III	KERN	DKD	KERN
SFE 6K-3NM	6	2	2	40	5,0	A	390,-	965-228	55,-	963-128	88,-
SFE 15K1PM*	15	5	5	100	6	A	380,-	965-228	55,-	963-128	88,-
SFE 10K-3LNM	15	5	5	100	12	B	440,-	965-228	55,-	963-128	88,-
SFE 30K-2NM	30	10	10	200	6	A	380,-	965-228	55,-	963-128	88,-
SFE 60K-2NM	60	20	20	400	10	B	430,-	965-229	93,-	963-129	105,-
SFE 60K-2LNM	60	20	20	400	14	C	550,-	965-229	93,-	963-129	105,-
SFE 100K-2M*	150	50	50	1000	10	B	450,-	965-229	93,-	963-129	105,-
SFE 100K-2LM*	150	50	50	1000	14	C	550,-	965-229	93,-	963-129	105,-
SFE 100K-2XLNM	150	50	50	1000	22	D	770,-	965-229	93,-	963-129	105,-
SFE 300K-1LNM	300	100	100	2000	20	D	760,-	965-229	93,-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

! * ONLY WHILE STOCKS LAST !



“ From the office through to production and on to dispatch – KERN platform scales can be used anywhere and are intuitive to use. With numerous clever functions they will help you to fulfil the increased demands of Industry 4.0 and carry out your processes in a more effective manner, with better use of resources. ”

*Stephan Ade,
Product specialist platform scales*



09

Platform scale with stainless steel display device with IP68 rating, XL-display und EC type approval [M] – now also as high resolution version with high-resolution display



Piece-counting function



Durable stainless steel weighing plate



Stainless steel display device with protection IP68, hygienic and easy to clean



Features

- Tough industry standard** suitable for use in harsh industrial applications
- 1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- 2 Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply, for details see KERN KXS-TM
- Superior display size:** digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Benchtop stand incl. wall mount** for display device as standard
- ESD drain to protect against electrostatic discharge** e.g. for electrostatically-charged weighing objects or people who work with the scale
- Thanks to the RS-232, RS-485 and Bluetooth (optional) **interfaces**, the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer

Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A 300×240×86 mm
 - B 400×300×89 mm
 - C 500×400×123 mm
 - D 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 3 Stand** to elevate display device, must be ordered at purchase, for models with weighing plate size A–D height of stand approx. 200 mm, KERN IXS-A02, € 70,-
- B–D height of stand approx. 400 mm, KERN IXS-A03, € 75,-

C–D height of stand approx. 600 mm, KERN IXS-A04, € 85,-

- Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-
- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, € 40,-
- Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, € 85,-
- Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KXS-A02, € 110,-
- Foot switch**, must be ordered at purchase, KERN KXS-A03, € 70,-
- Roller conveyor attachment**, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame, KERN YRO-01, € 660,-
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD

CAL EXT	PCS	SUM	TOL	MOVE	IP 65	IP 68	INOX	230 V	DMS	1 DAY	3 YEARS WARRANTY
1	2										

OPTION

DAkkS +3 DAYS	FACTORY	RS 232	RS 485	BT ACCU	M +3 DAYS
not IXS-M					

Model	Weighing range [Max] kg	Read-out [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification M III KERN	DAkkS Calibr. Certificate KERN	DKD KERN	DAkkS Calibr. Certificate KERN
KERN											
IXS 6K-4	6	0,2	-	-	6	A	520,-	-	-	963-128	88,-
IXS 10K-4	15	0,5	-	-	6	A	520,-	-	-	963-128	88,-
IXS 10K-4L	15	0,5	-	-	11	B	590,-	-	-	963-128	88,-
IXS 30K-3	30	1	-	-	11	B	590,-	-	-	963-128	88,-
IXS 30K-3L	30	1	-	-	22	C	720,-	-	-	963-128	88,-
IXS 60K-3	60	2	-	-	11	B	590,-	-	-	963-129	105,-
IXS 60K-3L	60	2	-	-	22	C	720,-	-	-	963-129	105,-
IXS 100K-3	150	5	-	-	22	C	720,-	-	-	963-129	105,-
IXS 100K-3L	150	5	-	-	36	D	790,-	-	-	963-129	105,-
IXS 300K-2	300	10	-	-	36	D	790,-	-	-	963-129	105,-

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

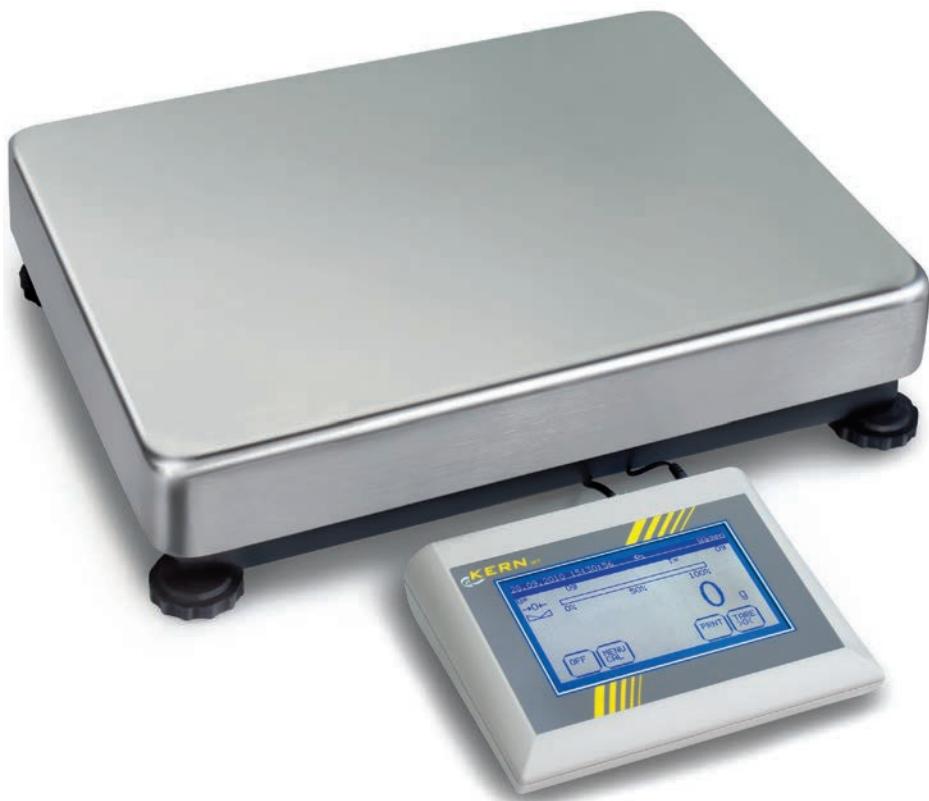
IXS 6K-3M	3 6	1 2	1 2	20 40	6	A	520,-	965-228	55,-	963-128	88,-
IXS 10K-3M	6 15	2 5	2 5	40 100	6	A	520,-	965-228	55,-	963-128	88,-
IXS 10K-3LM	6 15	2 5	2 5	40 100	11	B	590,-	965-228	55,-	963-128	88,-
IXS 30K-2M	15 30	5 10	5 10	100 200	11	B	590,-	965-228	55,-	963-128	88,-
IXS 30K-2LM	15 30	5 10	5 10	100 200	22	C	720,-	965-228	55,-	963-128	88,-
IXS 60K-2M	30 60	10 20	10 20	200 400	11	B	590,-	965-229	93,-	963-129	105,-
IXS 60K-2LM	30 60	10 20	10 20	200 400	22	C	720,-	965-229	93,-	963-129	105,-
IXS 100K-2M	60 150	20 50	20 50	400 1000	22	C	720,-	965-229	93,-	963-129	105,-
IXS 100K-2LM	60 150	20 50	20 50	400 1000	36	D	790,-	965-229	93,-	963-129	105,-
IXS 300K-2M	150 300	50 100	50 100	1000 2000	36	D	790,-	965-229	93,-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

Price reduction

PREMIUM
★★★



Alibi memory

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)
- Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten
- In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved.
- Saved measuring results can be searched and recalled easily
- The alibi memory can also be used for applications which do not require verification
- Complies with WELMEC 2.5

09

Touchscreen platform scale with enormous range of functions, available also with EC type approval [M]



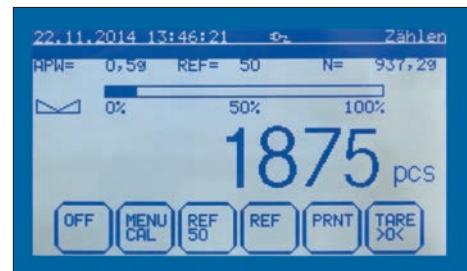
Easy input of text and values

Using large keypad, e.g. packaging weights, item descriptions, user name, etc.



80 memories for each mode

e.g. for Checkweighing, PRE-TARE, reference weight, target value when dispensing, item descriptions, user name, weights for tare containers, etc. Easy to enter using the large-scale keypad



Professional counting function

All relevant counting information at a glance, such as, e.g., reference weight, reference quantity, total count, total weight, tare container weight, available weighing range and much more

Features

- Convenient recipe weighing:** 99 recipes with 10 components each can be stored in plain text. There is a function to adjust the other components if the initial weight was too high. The actual values and the desired values as well as the proportionate percentages can be printed afterwards.
- Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- Rapid function** for shortened stabilisation time with reduced readout
- Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35V / 80mA)

Technical data

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127x74 mm)
- Weighing plate dimensions, stainless steel WxDxH
 - A 228x228x90 mm
 - B 315x308x75 mm
 - C 450x350x115 mm, see larger picture
 - D 650x500x142 mm
- Dimensions of display device WxDxH
200x155x68 mm

• Cable length of display device approx., for models with weighing plate size

- A 1 m
- B, D 2 m
- C 0,6 m

• Permissible ambient temperature
10 °C/40 °C

Accessories

- Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate B, KERN DS-A01, **€ 200,-**
- Stand** to elevate display device, can be retrofitted, for models with weighing plate size B, C, height of stand approx. 480 mm, KERN IKT-A06, **€ 105,-**
- Wall mount** for display device, KERN IKT-A03, **€ 35,-**
- Suitable printers** see *Accessories*

Modes

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising with daily total
- ⑦ Percentage determination
- ⑧ Animal weighing
- ⑨ Surface weight
- ⑩ Density determination, only with B, not for [M]
- ⑪ Rapid function, not for [M]

Functions

- Capacity display with ①,②, ⑤–⑦, ⑨–⑩
- Dispensing aid (-/+), with ③, ④
- Net/gross display, permanent, with ①, ③–⑤, ⑧–①①
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①–⑦, ⑪
- Entering of item or batch description, operator etc., with ①–⑦, ⑪
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ⑨
- Date/time, with ①–⑪
- Statistical function, with ①
- GLP printout, with ①–⑪
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ①–⑪

STANDARD



OPTION



B

Model	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							DAkkS	Calibr. Certificate
KERN							DKD	KERN
IKT 6K0.1	6	0,1	0,1	8	B	830,-	963-128	88,-
IKT 12K0.2	12	0,2	0,2	8	B	830,-	963-128	88,-
IKT 30K0.5	30	0,5	0,5	8	B	830,-	963-128	88,-
IKT 60K1L	60	1	1	10	C	1050,-	963-129	105,-
IKT 120K2L	120	2	2	10	C	1050,-	963-129	105,-
IKT 150K2XL	150	2	2	20	D	1200,-	963-129	105,-
IKT 300K5XL	300	5	5	20	D	1200,-	963-129	105,-
High resolution readout								
IKT 3K0.01S	3	0,01	0,01	6	A	920,-	963-127	72,-
IKT 8K0.05	8	0,05	0,05	8	B	850,-	963-128	88,-
IKT 16K0.1	16	0,1	0,1	8	B	850,-	963-128	88,-
IKT 30K0.1	30	0,1	0,1	8	B	850,-	963-128	88,-
IKT 30K0.1L	30	0,1	0,1	10	C	1150,-	963-128	88,-
IKT 36K0.2	36	0,2	0,2	8	B	850,-	963-128	88,-
IKT 36K0.2L	36	0,2	0,2	10	C	1050,-	963-128	88,-
IKT 60K0.2L	60	0,2	0,2	10	C	1120,-	963-129	105,-
IKT 65K0.5L	65	0,5	0,5	10	C	1050,-	963-129	105,-
IKT 100K0.5L	100	0,5	0,5	10	C	1150,-	963-129	105,-
IKT 150K1L	150	1	1	10	C	1150,-	963-129	105,-

NEW



09

KERN Easy-Touch platform scale - the intuitive way to weigh



Convenient piece-counting function

Standard use: Direct input of the reference quantity or the reference weight.
Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: select item - load - count - done!



Fill-to-target function: Programmable target quantity or target weight. A signal will be displayed when the target value is reached. This means that the same target value can always be counted and picked, efficiently and accurately.



Convenient weighing with tolerance range (Checkweighing)

Standard use: Direct input of the tolerances in grams or percent.
Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. That leads to a super-fast sequence when portioning, dosing or sorting: select item - load - check - done!



1



2



3

Features

- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker
- Through a **large memory**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- 1** Thanks to the high level of **connectivity** it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications
- Convenient recipe weighing**
Standard use: Direct input of the recipe ingredients in grams or percent
Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing: select recipe – weigh – done!

- A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately)
- Multiplier function:** recipes and their ingredients can be multiplied at will at the press of a button, which is ideal for the production of larger containers, bulk packs etc.
- 2 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65

Technical data

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Weighing plate dimensions, stainless steel W×D×H
 - A** 300×240×100 mm
 - B** 400×300×128 mm
 - C** 500×400×137 mm
 - D** 650×500×142 mm
- Dimensions of display device W×D×H 252×152×133,4 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Stand** to elevate display device, height of stand approx. 330 mm, can be retrofitted, KERN IFB-A01, **€ 50,-**
- Stand** to elevate display device, height of stand approx. 600 mm, can be retrofitted, KERN IFB-A02, **€ 60,-**
- Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**
- Rechargeable battery pack internal**, operating time up to 7 h with backlight, charging time approx. 12 h, KERN KFB-A01, **€ 35,-**
- 3 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-04, **€ 90,-**
- Alibi memory**, electronic archiving of weighing results, must be ordered at purchase, KERN YKI-06, **€ 95,-**
- Software** for rapid and easy processing of the database at the PC (exporting, processing, importing), KERN SET-1.0, **€ 150,-**

STANDARD



2

OPTION



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
								DAkkS	Calibr. Certificate
KERN								DKD	KERN
IFT 6K-3M	3 6	1 2	1 2	± 1 2	6	A	1440,-	963-128	88,-
IFT 10K-3M	6 15	2 5	2 5	± 2 5	6	A	1390,-	963-128	88,-
IFT 10K-3LM	6 15	2 5	2 5	± 2 5	9	B	1490,-	963-128	88,-
IFT 30K-3M	15 30	5 10	5 10	± 5 10	9	B	1490,-	963-128	88,-
IFT 60K-2M	30 60	10 20	10 20	± 10 20	9	B	1490,-	963-129	105,-
IFT 60K-2LM	30 60	10 20	10 20	± 10 20	14	C	1590,-	963-129	105,-
IFT 100K-2M	60 150	20 50	20 50	± 20 50	14	C	1490,-	963-129	105,-
IFT 100K-2LM	60 150	20 50	20 50	± 20 50	22	D	1750,-	963-129	105,-
IFT 300K-2LM	150 300	50 100	50 100	± 50 100	22	D	1790,-	963-129	105,-



PREMIUM
★★★

Modes

- ① Weighing
- ② Determination stock level
- ③ Percentage determination
- ④ Dispensing
- ⑤ Recipe weighing
- ⑥ Density
- ⑦ Animal weighing

For information on further useful functions for this range, please see the internet

Note: Your KERN product specialist Ingo Schlaich, Tel: +49 [0]7433 9933-158 will be happy to help with all questions of detail

Modern premium touchscreen platform scale with the complete range of functions for demanding processes

Features

09

- **User-friendly piece-counting function:** creation and recall of items to be counted from the database with all relevant additional data such as piece weight, name, price (for internal valuation), reference quantity, tare container weight, barcode, item image etc. Also integrated: automatic reference optimisation, correction of reference weights, freely selectable reference quantity and much more. Note: on the basis of the KERN ILT range, you can put together a wide range of high-performance counting systems - your

KERN product specialist will be pleased to advise you

- Easy entering of item data using the connected barcode or RFID scanner
- **User-friendly batch management** with batch master and batch number assignment, classification, batch derivation, batch determination, batch status management, shelf-life processing, documentary, original and WIP batches, batch-specific units of measure, batch where-used list
- **Enormous database (1GB)** for thousands of weighing results, items, recipes, recipe ingredients, container weights, user data etc.

Technical data

- Cable length of display device approx. 1 m
- Permissible ambient temperature 15 °C/35 °C

Accessories

- **Suitable printers** and further, extensive accessories see internet

STANDARD												OPTION		FACTORY		
CAL INT	CAL EXT	MEMORY	ALIBI	RS 232	USB	WLAN	SWITCH	LAN	PCS	RECIPE	SUM	% PERCENT	UNIT	TOL	MOVE	IP 65

Model	Weighing range [Max] kg	Readout [d]	Verification value [e]	Minimal load [Min] g	Weighing plate W×D×H mm	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
KERN							KERN	€	KERN	€
ILT 10K-5NM	10	0,01	0,1	0,5	347×259×24	5500,-	965-217	77,-	963-128	88,-
ILT 35K-4NM	35	0,1	1	5	347×259×24	4690,-	965-217	77,-	963-128	88,-
ILT 50K-4C	50	0,1	1	5	347×259×24	5500,-	-	-	963-128	88,-
ILT 6K-4BAM	6	0,1	1	5	195×195×77	2200,-	965-217	77,-	963-128	88,-
ILT 60K-3BAM	60	1	10	50	503×403×51	2400,-	965-218	110,-	963-129	105,-

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]

ILT 6K-3GAM	3 6	1 2	1 2	20 40	230×230×100	2200,-	965-228	55,-	963-128	88,-
ILT 10K-3GAM	6 15	2 5	2 5	40 100	300×240×100	1900,-	965-228	55,-	963-128	88,-
ILT 10K-3LGAM	6 15	2 5	2 5	40 100	400×300×128	2000,-	965-228	55,-	963-128	88,-
ILT 30K-2GAM	15 30	5 10	5 10	100 200	400×300×118	2200,-	965-228	55,-	963-128	88,-
ILT 60K-2GAM	30 60	10 20	10 20	200 400	400×300×118	2200,-	965-229	93,-	963-129	105,-
ILT 60K-2LGAM	30 60	10 20	10 20	200 400	500×400×137	2150,-	965-229	93,-	963-129	105,-
ILT 100K-2GAM	60 150	20 50	20 50	400 1000	500×400×137	2100,-	965-229	93,-	963-129	105,-
ILT 100K-2LGAM	60 150	20 50	20 50	400 1000	650×500×142	2200,-	965-229	93,-	963-129	105,-
ILT 300K-2GAM	150 300	50 100	50 100	1000 2000	650×500×142	2200,-	965-229	93,-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

! ONLY WHILE STOCKS LAST!



PREMIUM
★★★



High-resolution industrial scale, available also with internal adjustment and EC type approval [M]

Features

- Laboratory scale with separate display device. Ideal when working in the glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- 1** High-capacity precision balance, ideal for high volume or heavy samples, such as e.g. in road construction or the construction industry
- 2** Robust construction of platform ensures stability, protects the weighing system and is durable enough for everyday use
- 2** KERN ILJ-C: Automatic internal adjustment in the case of a change in temperature 3 °C or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- Alibi memory:** electronic archiving of weighing results
- Internal memory** for up to 999 weighing results, 1000 items or recipe ingredients, 100 container weights, 100 users
- PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- Weighing with tolerance range (checkweighing):** a visual signal helps with portioning, dispensing or grading
- Totalising** of weights (manual/automatic)
- GLP/ISO record keeping of weight values** with date, time, user ID, project and serial number in combination with an appropriate KERN printer
- Density determination** of liquids and solids. User guidance step by step on the display. The density is indicated directly on the display
- Hook for underfloor weighing standard**

Technical data

- Large backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 347×259 mm
- Dimensions of display device WxDxH 270×165×115 mm
- Cable length of display device approx. 1,4 m
- Permissible ambient temperature 10 °C/40 °C

09

Accessories

- WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN PLJ-A06, € 135,-
- Alibi memory software** for viewing and saving data from the alibi memory onto a PC connected to the system, KERN PET-A16, € 300,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



2 ILJ-C

OPTION



FACTORY



ILJ-C

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Price excl. of VAT ex works €	Options	
							Verification	
							MII KERN	DKD KERN
KERN							€	€
ILS 30K-4C	30	0,1	-	-	15	1790,-	-	963-128
ILS 50K-4C	50	0,1	-	-	15	2330,-	-	963-128
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.								
Verification at the factory, we need to know the full address of the location of use.								
ILJ 25K-4CM	25	0,1	1	5	15	2050,-	965-217	77,-
							963-128	88,-



” **S**o that your balance will be a robust and reliable assistant for many years, KERN can offer you regular recalibration of your balance - and of course it doesn't matter whether it is a KERN balance or not. Either at the KERN factory or on-site at your premises. Crane scales and container scales even up to 50 t.

*Andreas Hipp,
Calibration service*

Floor scales/Pallet scales/Drive-through scales

Robust aid for weighing large loads

KERN offers a carefully coordinated range from affordable entry level models, to practical built-in solutions, up to the top level verified models made of stainless steel. Their common feature is the long-lasting industrial quality as well as the high level of protection against dust and spray.

The installation, startup, and possible verification of floor, pallet, and drive-through scales require specialised knowledge, which is the basis for a successful sale. Please ask for our "Floor scale info sheet".

High-capacity scales – ideal for piece counting with large item quantities

The weighing ranges of bench counting scales are often not sufficient to count large quantities, units, palletised items etc. This is where high-performance counting systems are employed as these combine a high-precision reference balance with a high-capacity bulk scale, such as e.g. floor scales, pallet scales or drive-through scales. Your personal KERN customer consultant will be happy to help you setting up the right high-capacity counting system.



Individuality is the trump card – we create your ideal scale!

Do you have any special requests, which are not covered by our extensive floor scale range? Then why not configure your ideal model yourself, it's quick, individual and affordable.

Of course we can also offer you the complete service and put the required scale combination together for you, including verification. All further details can be found from page 133 ff. or ask your personal customer service agent, he will be pleased to advise you



Stephan Ade

Product specialist Floor scales/
Pallet scales/Drive-through scales

Tel. +49 [0] 7433 9933-121

Fax +49 [0] 7433 9933-29121

ade@kern-sohn.com



Your product specialist's recommendation:

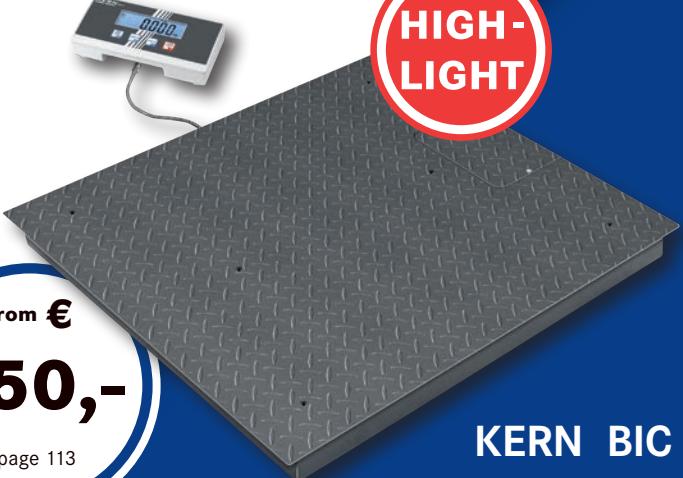
Massive steel weighing bridge with IP67 protection

Dual-range balance for high degree of accuracy and high weighing ranges

Optimised price performance ratio



from €
950,-
► page 113



KERN BIC

Quick-Finder Floor scales/Pallet scales/Drive-through scales

Read-out [d]	Weighing range [Max]	Weighing plate WxDxH mm	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	RS 232	PCS	-✓+	MOVE	IP	INOX	ACCU	
						For an explanation on the pictos, see the front flap										
0,1 0,2 kg	0,3 0,6 kg	1000×1000×108	BIC 600K-1S	950,-	113	2	●						●			○
0,1 0,2 kg	0,3 0,6 kg	1200×1500×108	BIC 600K-1	1100,-	113	2	●						●			○
0,2 kg	0,6 t	1000×1000×85	BFB 600K-1SNM	1140,-	114	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1500×1250×85	BFB 600K-1NM	1520,-	114	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1000×1000×85	BFA 600K-1SNM	1250,-	115	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1500×1250×85	BFA 600K-1NM	1600,-	115	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1000×1000×80	BXS 600K-1SM	1490,-	116	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1500×1250×80	BXS 600K-1M	1700,-	116	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1500×1250×85	BFS 600K-1NM	1550,-	117	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1000×1000×85	BFS 600K-1SNM	1150,-	117	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1000×1000×80	BAN 600K-1SM	3050,-	118	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1000×1000×85	BFN 600K-1SM	2800,-	119	2	○	●	●	●	●	●	●	●	●	●
0,2 kg	0,6 t	1000×1000×110	BKN 600K-1SM	3800,-	121	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1250×1500×110	BKN 600K-1M	4450,-	121	5	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	800×120×100	UFA 600K-1S	860,-	122	2	●	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	840×1190×90	UFB 600K200M	930,-	123	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	840×1190×90	UFC 600K-1M	1320,-	124	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	840×1190×90	UFN 600K-1M	1760,-	125	2	○	●	●	●	●	●	●	●	●	●
0,2 kg	0,6 t	1000×1000×85	NFB 600K200M	1290,-	126	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1200×1200×85	NFB 600K200LM	1490,-	126	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1600×1200×80	NBB 600K-1M	1670,-	127	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1400×1800×80	NBB 600K-1LM	1850,-	127	2	○	●	●	●	●	●	●	●	●	○
0,2 kg	0,6 t	1600×1200×80	NFN 600K-1M	2900,-	128	2	○	●	●	●	●	●	●	●	●	●
0,2 kg	0,6 t	1800×1400×78	NFN 600K-1LM	2900,-	128	2	○	●	●	●	●	●	●	●	●	○
0,2 0,5 kg	0,6 1,5 t	1000×1000×108	BIC 1T-4S	950,-	113	2	●									○
0,2 0,5 kg	0,6 1,5 t	1200×1500×108	BIC 1T-4	1100,-	113	2	●									○
0,5 kg	1,5 t	1000×1000×85	BFB 1T-4SNM	1150,-	114	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×85	BFB 1T-4NM	1520,-	114	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×85	BFA 1T-4SNM	1250,-	115	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×85	BFA 1T-4NM	1600,-	115	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×80	BXS 1.5T-4SM	1490,-	116	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×80	BXS 1.5T-4M	1700,-	116	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×85	BFS 1T-4NM	1550,-	117	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×85	BFS 1T-4SNM	1150,-	117	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×80	BAN 1T-4SM	3050,-	118	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×80	BAN 1T-4M	3750,-	118	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×80	BFN 1T-4SM	2800,-	119	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×80	BFN 1.5T0.5M	3450,-	119	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1000×1000×110	BKN 1T-4SM	3800,-	121	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1500×1250×110	BKN 1T-4M	4450,-	121	5	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1200×120×100	UFA 1.5T0.5	870,-	122	2	●	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	840×1190×90	UFB 1.5T0.5M	930,-	123	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	840×1190×90	UFC 1.5T-4M	1320,-	124	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	840×1190×90	UFN 1.5T-4M	1760,-	125	2	○	●	●	●	●	●	●	●	●	●
0,5 kg	1,5 t	1000×1000×85	NFB 1.5T0.5M	1290,-	126	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1200×1200×85	NFB 1.5T0.5LM	1460,-	126	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1600×1200×78	NBB 1T-1M	1660,-	127	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1800×1400×78	NBB 1T-1LM	1860,-	127	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1800×1400×78	NFN 1T-1M	2900,-	128	2	○	●	●	●	●	●	●	●	●	○
0,5 kg	1,5 t	1800×1400×78	NFN 1T-1LM	2900,-	128	2	○	●	●	●	●	●	●	●	●	○
0,5 1 kg	1,5 3 t	1200×1500×108	BIC 3T-3	1100,-	113	2	●									○
0,5 1 kg	1,5 3 t	1500×1500×108	BIC 3T-3L	1200,-	113	2	●									○
1 kg	3 t	1500×1250×85	BFB 3T-3NM	1520,-	114	2	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1500×85	BFB 3T-1LM	1700,-	114	2	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×85	BFA 3T-3NM	1600,-	115	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1500×85	BFA 3T-3LM	1700,-	115	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×80	BXS 3T-3M	1700,-	116	2	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×85	BFS 3T-3NM	1550,-	117	5	○	●	●	●	●	●	●	●	●	○
2 kg	6 t	1500×1500×80	BFS 6T-3M	1950,-	117	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1500×80	BFS 3T-3LM	2050,-	117	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×80	BAN 3T-3M	3750,-	118	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×80	BFN 3T-3M	3490,-	119	2	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1250×110	BKN 3T-3M	4450,-	121	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1500×1500×110	BKN 3T-3LM	5800,-	121	5	○	●	●	●	●	●	●	●	●	○
1 kg	3 t	1200×120×100	UFA 3T-1	890,-	122	2	●	●	●	●	●	●	●	●	●	○
1 kg	3 t	2000×120×100	UFA 3T-3L	1050,-	122	2	●	●	●	●	●	●	●	●	●	○
2 kg	6 t	1500×1500×130	BFB 6T-3M	1950,-	114	5	○	●	●	●	●	●	●	●	●	○
2 kg	6 t	1500×1500×130	BFA 6T-3M	2040,-	115	5	○	●	●	●	●	●	●	●	●	○
2 kg	6 t	1200×120×80	UFA 6T-3	1190,-	122	2	●	●	●	●	●	●	●	●	●	○
2 kg	6 t	2100×160×85	UFA 6T-3L	1490,-	122	2	●	●	●	●	●	●	●	●	●	○

NEW 2017

● = standard ○ = option

NEW



High resolution floor scale with 2×3000 [d]
and the best price to performance ratio

Features

- Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated steel load cells, dust and spray protection IP67
- Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- Simple and convenient 4-key operation**
- Benchtop stand incl. wall mount** for display device as standard

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
 A 1000×1000×108 mm,
 B 1200×1500×108 mm,
 C 1500×1500×108 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05-2017, **€ 30,-**
- Pair of base plates** to fix the weighing bridge to the floor, KERN BIC-A07, **€ 40,-**

- 1 Ascending ramp**, steel, powder-coated, not included, for models with weighing plate size

A 1000×1000×108 mm,
KERN BIC-A01, **€ 410,-**
 B 1200×1500×108 mm,
KERN BIC-A02, **€ 470,-**
 C 1500×1500×108 mm,
KERN BIC-A03, **€ 540,-**

- Stable pit frame**, steel, powder-coated, for models with weighing plate size
- A 1000×1000×110 mm,
KERN BIC-A04, **€ 330,-**
 B 1200×1500×110 mm,
KERN BIC-A05, **€ 360,-**
 C 1500×1500×110 mm,
KERN BIC-A06, **€ 380,-**

■ Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs



Model	Weighing range [Max] kg	Readout [d] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
						DAKKS	KERN Calibr. Certificate
KERN						DKD	€
BIC 600K-1S	300 600	0,1 0,2	130	A	950,-	963-130	165,-
BIC 600K-1	300 600	0,1 0,2	150	B	1100,-	963-130	165,-
BIC 1T-4S	600 1500	0,2 0,5	130	A	950,-	963-130	165,-
BIC 1T-4	600 1500	0,2 0,5	150	B	1100,-	963-130	165,-
BIC 3T-3	1500 3000	0,5 1	150	B	1100,-	963-132	440,-
BIC 3T-3L	1500 3000	0,5 1	150	C	1200,-	963-132	440,-



Weighing bridge with screwed-on weighing plate (IP67) and XXL display device, with EC type approval [M]

Features

- **Weighing plate A, B screwed on from the top**, so it's easy to remove, hygienic and easy to clean
- **1 Weighing bridge**: steel, painted, weighing plate size C, D corrugated steel plate, welded, 4 silicone-coated steel load cells, dust and spray protection IP67
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **Display device**: for details see KERN KFB-TM
- **Benchtop stand incl. wall mount** for display device as standard
- **Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm

- Dimensions of display device W×D×H 250×160×58 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, **€ 35,-**
- **2 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**
- **Pair of base plates** to fix the weighing bridge to the floor, for models with weighing plate size A, B, C KERN BFS-A06N, **€ 70,-**
- **D** KERN BFS-A10, **€ 60,-**

- **Ascending ramp**, steel, lacquered, not included, for models with weighing plate size A KERN BFS-A01N, **€ 390,-**
B KERN BFS-A02N, **€ 350,-**
C KERN BFS-A09, **€ 410,-**
D KERN BFS-A11, **€ 500,-**
- **3 Stable pit frame**, steel, lacquered, for models with weighing plate size A KERN BFS-A03N, **€ 310,-**
B KERN BFS-A04N, **€ 370,-**
C KERN BFS-A08, **€ 365,-**
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01, **€ 35,-**
- **4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Large display with superior display size**, KERN YKD-A02, **€ 220,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

5 Limited tare range with verifiable models (1/6 from [Max])

! Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD										OPTION				FACTORY	
CAL EXT	RS 232	PCS	SUM	A -	✓ +	TOL	IP 67	MOVE	B MULTI	DMS	2 DAYS	3 YEARS	DAkkS +3 DAYS	ACCU +3 DAYS	M KERN

1

Model	Weighing range [Max] kg	Readout = Verif. value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate mm	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
							M III KERN	€	DKD KERN	€
KERN										
BFB 600K-1SNM	600	0,2	4	105	A 1000×1000×85	1140,-	965-230	132,-	963-130	165,-
BFB 600K-1NM	600	0,2	4	135	B 1500×1250×85	1520,-	965-230	132,-	963-130	165,-
BFB 1T-4SNM	1500	0,5	10	135	A 1000×1000×85	1150,-	965-230	132,-	963-130	165,-
BFB 1T-4NM	1500	0,5	10	135	B 1500×1250×85	1520,-	965-230	132,-	963-130	165,-
BFB 3T-3NM	3000	1	20	135	B 1500×1250×85	1520,-	965-232	320,-	963-132	440,-
BFB 3T-1LM	3000	1	20	155	C 1500×1500×85	1700,-	965-232	320,-	963-132	440,-
BFB 6T-3M 5	6000	2	40	210	D 1500×1500×130	1950,-	965-232	320,-	963-132	440,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Weighing bridge with screwed-on weighing plate (IP67) and stainless steel display device (IP68), with EC type approval [M]

Features

- Tough industry standard** suitable for use in harsh industrial applications
- 1 Weighing plate C, D screwed on from the top**, so it's easy to remove, hygienic and easy to clean
- 2 Weighing bridge**: steel, painted, weighing plate size C, D corrugated steel plate, welded, 4 silicone-coated steel load cells, dust and spray protection IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V20 IP67
- Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- 3 Display device**: stainless steel, protection against dust and water splashes IP65
- Benchtop stand incl. wall mount** for display device as standard

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Cable length of display device approx. 5 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 4 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**
- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN KFB-A01, **€ 35,-**

- Pair of base plates** to fix the weighing bridge to the floor, for models with weighing plate size

A, B, C KERN BFS-A06N, **€ 70,-**

D KERN BFS-A10, **€ 60,-**

- Ascending ramp**, steel, lacquered, not included, for models with weighing plate size

A KERN BFS-A01N, **€ 390,-**

B KERN BFS-A02N, **€ 350,-**

C KERN BFS-A09, **€ 410,-**

D KERN BFS-A11, **€ 500,-**

- Stable pit frame**, steel, lacquered, for models with weighing plate size

A KERN BFS-A03N, **€ 310,-**

B KERN BFS-A04N, **€ 370,-**

C KERN BFS-A08, **€ 365,-**

- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**

- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**

- Large display with superior display size**, KERN YKD-A02, **€ 220,-**

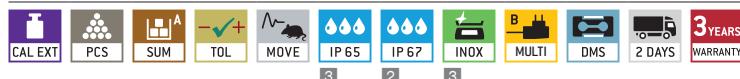
- Further details, plenty of further accessories and suitable printers see **Accessories**

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

5 Limited tare range with verifiable models (1% from [Max])

6 Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

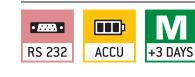
STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout = Verif. value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate mm	Price excl. of VAT ex works €	Options	
							Verification	DAkkS Calibr. Certificate
KERN							MHI KERN €	DKD KERN €
BFA 600K-1SNM	600	0,2	4	105	A 1000x1000x85	1250,-	965-230	132,-
BFA 600K-1NM	600	0,2	4	135	B 1500x1250x85	1600,-	965-230	132,-
BFA 1T-4SNM	1500	0,5	10	105	A 1000x1000x85	1250,-	965-230	132,-
BFA 1T-4NM	1500	0,5	10	135	B 1500x1250x85	1600,-	965-230	132,-
BFA 3T-3NM	3000	1	20	135	B 1500x1250x85	1600,-	965-232	320,-
BFA 3T-3LM	3000	1	20	160	C 1500x1500x85	1700,-	965-232	320,-
BFA 6T-3M	6000	2	40	210	D 1500x1500x130	2040,-	965-232	320,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Weighing bridge with screwed-on weighing plate (IP67) and stainless steel display device (IP68), with EC type approval [M]

Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **1 Weighing plate screwed on from the top**, so it's easy to remove, hygienic and easy to clean
- **2 Weighing bridge**: steel, painted, extremely resistant to bending due to material thickness, 4 silicone-coated steel load cells, dust and spray protection IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KXP-V20 IP67
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **3 Display device**: stainless steel, protection against dust and water splashes IP68, for industrial applications, hygienic and easy to clean, integrated power supply

Benchtop stand incl. wall mount

for display device as standard

- **Totalising** of weights and piece counts
- Thanks to the RS-232, RS-485 and Bluetooth (optional) **interfaces**, the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer

Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions W×D×H
 - A** 1000×1000×80 mm
 - B** 1500×1250×80 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Stand** to elevate display device, height of stand approx. 750 mm, can be retrofitted, KERN YKP-02, **€ 210,-**
- **Ascending ramp**, steel, painted, not included, for models with weighing plate size **A** KERN BXS-A01, **€ 320,-**
B KERN BXS-A02, **€ 360,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BXS-A03, **€ 70,-**
- **Rechargeable battery pack internal**, operating time up to 80 h, without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KXS-A02, **€ 110,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 40,-**
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 85,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 70,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

■ Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD								OPTION				FACTORY				

Model	Weighing range [Max] kg	Readout = Verification value [d] - [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							Verification	DAkkS Calibr. Certificate
KERN							M III	KERN
BXS 600K-1SM	600	0,2	4	100	A	1490,-	965-230	132,-
BXS 600K-1M	600	0,2	4	145	B	1700,-	965-230	132,-
BXS 1.5T-4SM	1500	0,5	10	100	A	1490,-	965-230	132,-
BXS 1.5T-4M	1500	0,5	10	145	B	1700,-	965-230	132,-
BXS 3T-3M	3000	1	20	145	B	1700,-	965-232	320,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

! ONLY WHILE STOCKS LAST !



Floor scale with screwed-on weighing plate (IP67), piece-counting function, 99 item memories and EC type approval [M]

Features

- Tough industry standard** suitable for use in harsh industrial applications
- 1 Weighing plate screwed on from the top**, so it's easy to remove, hygienic and easy to clean
- 2 Weighing bridge**: steel, painted, weighing plate size **C**, **D** corrugated steel plate, welded, 4 silicone-coated steel load cells, dust and spray protection IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V20 IP67
- Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- Ergonomic display device** with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.

- Benchtop stand incl. wall mount** for display device as standard
- 100 item memories** for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Printout with date and time
- Totalising** of pieces when counting

Technical data

- Large backlit LCD display, digit height 16,5 mm
- Weighing plate dimensions W×D×H
A 1000×1000×85 mm
B 1500×1250×85 mm
- Dimensions of display device W×D×H 260×150×65 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

STANDARD	CAL EXT	MEMORY	RS 232	PCS	SUM	TOL	MOVE	IP 67	MULTI	5 DAYS	WARRANTY	OPTION	DAkkS +3 DAYS	FACTORY	M +3 DAYS
2															

Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
							M	KERN	DKD	KERN
KERN										
BFS 600K-1SNM	600	0,2	4	105	A	1150,-	965-230	132,-	963-130	165,-
BFS 600K-1NM 4	600	0,2	4	135	B	1550,-	965-230	132,-	963-130	165,-
BFS 1T-4SNM	1500	0,5	10	105	A	1150,-	965-230	132,-	963-130	165,-
BFS 1T-4NM	1500	0,5	10	135	B	1550,-	965-230	132,-	963-130	165,-
BFS 3T-3NM	3000	1	20	135	B	1550,-	965-232	320,-	963-132	440,-
BFS 3T-3LM	3000	1	20	160	C	2050,-	965-232	320,-	963-132	440,-
BFS 6T-3M 4	6000	2	40	210	D	1950,-	965-232	320,-	963-132	440,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, **€ 35,-**
- Rechargeable battery pack internal**, must be ordered at purchase, operating time up to 40 h, without backlight, charging time approx. 12 h, KERN KFS-A01, **€ 35,-**
- 3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**
- Pair of base plates** to fix the weighing bridge to the floor, for models with weighing plate size
A, **B**, **C** KERN BFS-A06N, **€ 70,-**
D KERN BFS-A10, **€ 60,-**
- Stable pit frame**, steel, lacquered, for models with weighing plate size
A KERN BFS-A03N, **€ 310,-**
B KERN BFS-A04N, **€ 370,-**
C KERN BFS-A08, **€ 365,-**
- Ascending ramp**, steel, lacquered, not included, for models with weighing plate size
A KERN BFS-A01N, **€ 390,-**
B KERN BFS-A02N, **€ 350,-**
C KERN BFS-A09, **€ 410,-**
D KERN BFS-A11, **€ 500,-**
- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

4 Limited tare range with verifiable models (½ from [Max])

! Shipment via freight forwarder.

Please ask for dimensions, gross weight, shipping costs



Stainless steel floor scale with complete dust and spray protection to IP68, extra large weighing bridge and EC type approval [M]

Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **1 Weighing plate screwed on from the top** with stainless steel screws, so it's easy to remove, hygienic and easy to clean
- **Weighing bridge:** stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V40
- Your support in a **HACCP-compliant quality system**
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply, hygienic and easy to clean, The display device can also be delivered

as a component without the weighing bridge, for details see KERN KXS-TM

- **Benchtop stand incl. wall mount** for display device as standard
- **Weighing with tolerance range (checkweighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 55 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 5 m
- Weighing plate dimensions W×D×H
 - A 1000×1000×80 mm
 - B 1500×1250×80 mm
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN YKP-01, **€ 370,-**
- **Ascending ramp**, stainless steel, not included, for models with weighing plate size A KERN BFN-A01, **€ 1150,-**
B KERN BFN-A05, **€ 1090,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFN-A03, **€ 70,-**
- **2 Stable pit frame**, stainless steel, dimensions, W×D×H 1335×1585×80 mm, for models with weighing plate size B, KERN BFN-A02, **€ 890,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 40,-**
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 85,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KXS-A02, **€ 110,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 70,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

■ Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

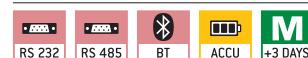
STANDARD



OPTION



FACTORY



Model KERN	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							Verification	
							MII KERN	€
BAN 600K-1SM	600	0,2	4	100	A	3050,-	965-230	132,-
BAN 1T-4SM	1500	0,5	10	100	A	3050,-	965-230	132,-
BAN 1T-4M	1500	0,5	10	140	B	3750,-	965-230	132,-
BAN 3T-3M	3000	1	20	140	B	3750,-	965-232	320,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

! ONLY WHILE STOCKS LAST !



Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), with EC type approval [M]

Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **Weighing plate screwed on from the top** with stainless steel screws, so it's easy to remove, hygienic and easy to clean
- **1 Weighing bridge:** stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V40
- Your support in a **HACCP-compliant quality system**
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **2 Display device:** stainless steel, protection against dust and water splashes IP65, hygienic and easy to clean. The display device can also be delivered as a component

without the weighing bridge, for details see KERN KFN-TM

- **Benchtop stand incl. wall mount** for display device as standard
- **Weighing with tolerance range (checkweighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Weighing plate dimensions W×D×H
 - A 1000×1000×85 mm
 - B 1500×1250×80 mm
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFN-A04, **€ 285,-**
- **4 Ascending ramp**, stainless steel, not included, for models with weighing plate size A KERN BFN-A05, **€ 1090,-**
B KERN BFN-A01, **€ 1150,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BKN-A07, **€ 60,-**
- **5 Stable pit frame**, stainless steel, dimensions, W×D×H 1335×1585×80 mm, for models with weighing plate size B, KERN BFN-A02, **€ 890,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

■ Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD										OPTION		FACTORY			
1	2													+3 DAYS	+3 DAYS
Model	Weighing range [Max] kg	Readout = Verif. value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options		Verification		DAKKS Calibr. Certificate		DKD KERN		
KERN							MII	€	MII	€	DAKKS	DKD	KERN	€	
BFN 600K-1SM	600	0,2	4	100	A	2800,-	965-230	132,-	965-230	132,-	963-130	963-130	165,-	165,-	
BFN 1T-4SM	1500	0,5	10	100	A	2800,-	965-230	132,-	965-230	132,-	963-130	963-130	165,-	165,-	
BFN 1.5T0.5M	1500	0,5	10	135	B	3450,-	965-230	132,-	965-230	132,-	963-130	963-130	165,-	165,-	
BFN 3T-3M	3000	1	20	135	B	3490,-	965-230	132,-	965-230	132,-	963-130	963-130	165,-	165,-	

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

NEW



10

Stainless steel floor scale with folding weighing plate and complete dust and spray protection to IP68 and EC type approval [M]



To clean or service the floor scale, the weighing plate can be opened easily using two retractable handles, without damaging your back



Two high-performance absorbers ensure maximum comfort when lifting and lowering the weighing plate



Cavities and concealed edges are avoided by using hermetically welded section tubes. When combined with the clever frame structure, which reduces potential contamination areas, the result is a floor scale design which is of special benefit when used in areas where hygiene is particularly important.



Features

- Tough industry standard** suitable for use in harsh industrial applications
- Your support in a **HACCP**-compliant quality system
- Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- 1 Display device:** stainless steel, protection against dust and water splashes IP68, hygienic and easy to clean. The display device can also be delivered as a component without the weighing bridge, for details see KERN
- 2 Benchtop stand incl. wall mount** for display device as standard
- Weighing with tolerance range (check-weighing):** A visual and audible signal assists the rapid checking of items on palettes
- Totalising** of weights and piece counts
- 3 Thanks to the RS-232, RS-485 and Bluetooth (optional) interfaces,** the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer

Technical data

- Large backlit LCD display, digit height 55 mm
- Cable length of display device approx. 5 m
- Weighing plate dimensions W×D×H
 - A 1000×1000×110 mm
 - B 1500×1250×110 mm
 - C 1500×1500×110 mm
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Stand** to elevate display device, height of stand approx. 750 mm, can be retrofitted, KERN YKP-02, **€ 210,-**
- Pair of base plates** to fix the weighing bridge to the floor, KERN BFN-A03, **€ 70,-**
- Ascending ramp**, stainless steel, not included, for models with weighing plate size
 - A KERN BKN-A01, **€ 1300,-**
 - B KERN BKN-A02, **€ 1550,-**
 - C KERN BKN-A03, **€ 1850,-**
- Stable pit frame**, stainless steel, for models with weighing plate size
 - A KERN BKN-A04, **€ 1350,-**
 - B KERN BKN-A05, **€ 1600,-**
 - C KERN BKN-A06, **€ 1700,-**

- Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 70,-**
- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 40,-**
- Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 85,-**
- Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KXS-A02, **€ 110,-**
- RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 750,-**
- RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

10

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

■ Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD

CAL EXT	GLP INTERN	PCS	RECIPE	TOL	MOVE	IP 68	INOX	230 V	DMS	5 DAYS	3 YEARS WARRANTY	DAKKS +3 DAYS	RS 232	RS 485	BT	ACCU	M +3 DAYS
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Model	Weighing range [Max] kg	Readout = Verif. value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
							Verification			
							M III	€		
KERN							KERN	€		
BKN 600K-1SM	600	0,2	4	97	A	3800,-	965-230	132,-	963-130	165,-
BKN 600K-1M	600	0,2	4	126	B	4450,-	965-230	132,-	963-130	165,-
BKN 1T-4SM	1500	0,5	10	97	A	3800,-	965-230	132,-	963-130	165,-
BKN 1T-4M	1500	0,5	10	126	B	4450,-	965-230	132,-	963-130	165,-
BKN 3T-3M	3000	1	20	126	B	4450,-	965-232	320,-	963-132	440,-
BKN 3T-3LM	3000	1	20	156	C	5800,-	965-232	320,-	963-132	440,-



Highly versatile weighing beams (IP67) for large loads to 6 t

Features

- Flexible solution for weighing large, bulky or long items
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **1 Weighing beams:** steel, painted, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67. Weighing beams can also be delivered as components without the display device, for details see KERN KFA-V20
- **Sturdy handles** for transporting the weighing beams
- **2 UFA-L:** Each weighing beam has a roller and handle for easy transport of the scale
- **Display device:** for details see KERN KFB-TM
- **Benchtop stand incl. wall mount** for display device as standard
- **Totalising** of weights and piece counts

- **NEW:** KERN UFA-S, new model with short weighing beams, ideal for weighing compact items or animals in transport boxes

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 250×160×65 mm
- Cable length of display device approx. 5 m
- Cable length weighing beams approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, € 35,-
- **3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, € 120,-

- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, KERN KFB-A01, € 35,-

- **4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **5 Large display with superior display size**, KERN YKD-A02, € 220,-
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, € 35,-
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, € 160,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

1 Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD



OPTION

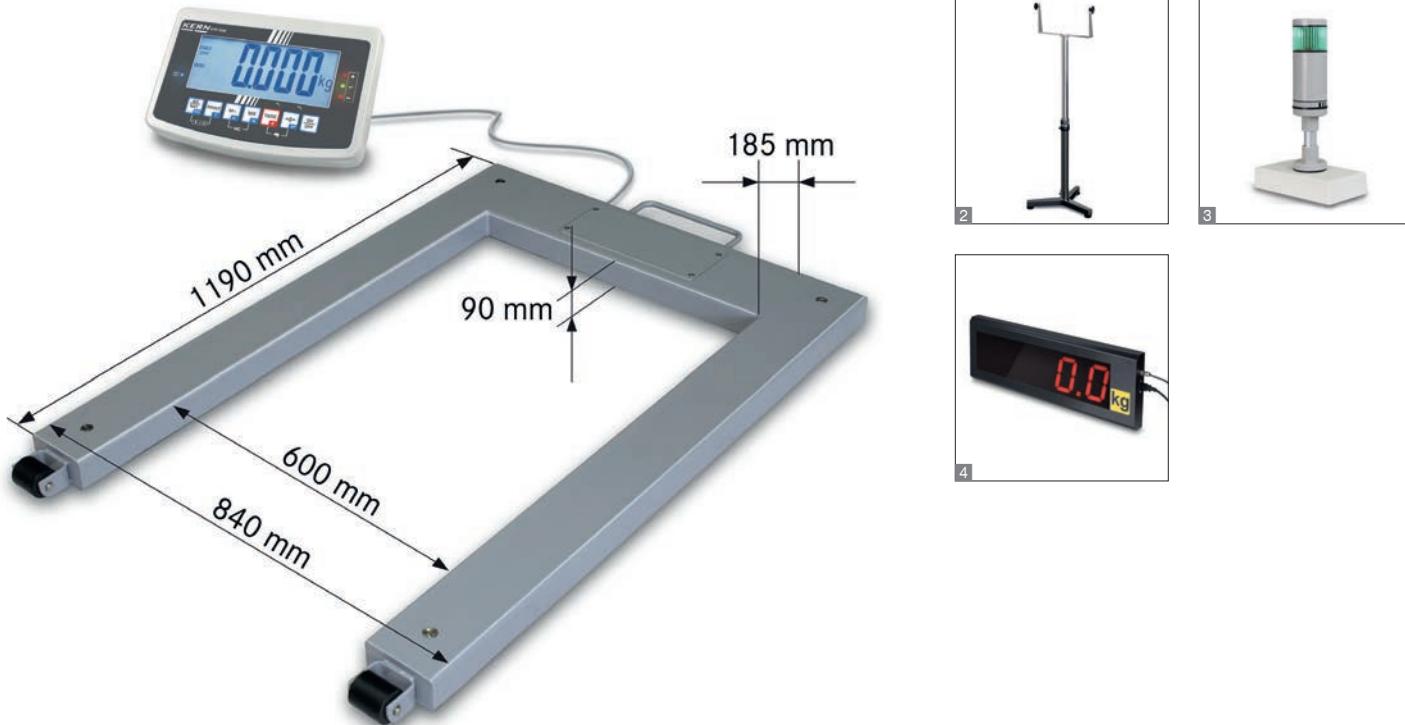


FACTORY



Model KERN	Weighing range [Max] kg	Readout [d] kg	Net weight approx. kg	Dimensions weighing beam W×D×H mm	Price excl. of VAT ex works €	Options	
						DAkkS Calibr. Certificate KERN	€
UFA 600K-1S <small>NEW</small>	600	0,2	27	800×120×100	860,-	963-130	165,-
UFA 1.5T0.5	1500	0,5	38	1200×120×100	870,-	963-130	165,-
UFA 3T-1	3000	1	38	1200×120×100	890,-	963-132	440,-
UFA 3T-3L	3000	1	60	2000×120×100	1050,-	963-132	440,-
UFA 6T-3	6000	2	85	1200×120×80	1190,-	963-132	440,-
UFA 6T-3L	6000	2	135	2100×160×85	1490,-	963-132	440,-

NEW New model



Pallet scale with steel load support (IP67) and EC type approval [M]

Features

- High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- 1 Load support:** steel, painted, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFU V20
- Two wheels for easy transportation of the scale
- Weighing with tolerance range (checkweighing):** A visual and audible signal assists the rapid checking of items on palettes
- Counting system:** A counting scale can be connected using the data interface, and this can be used to create a high-capacity counting system for counting the very small parts in largest quantities
- Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m
- Net weight approx. 55 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, € 35,-
- 2 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, € 120,-
- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN KFB-A01, € 35,-

- 3 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- 4 Large display with superior display size**, KERN YKD-A02, € 220,-
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, € 35,-
- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, € 160,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

10

■ Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD



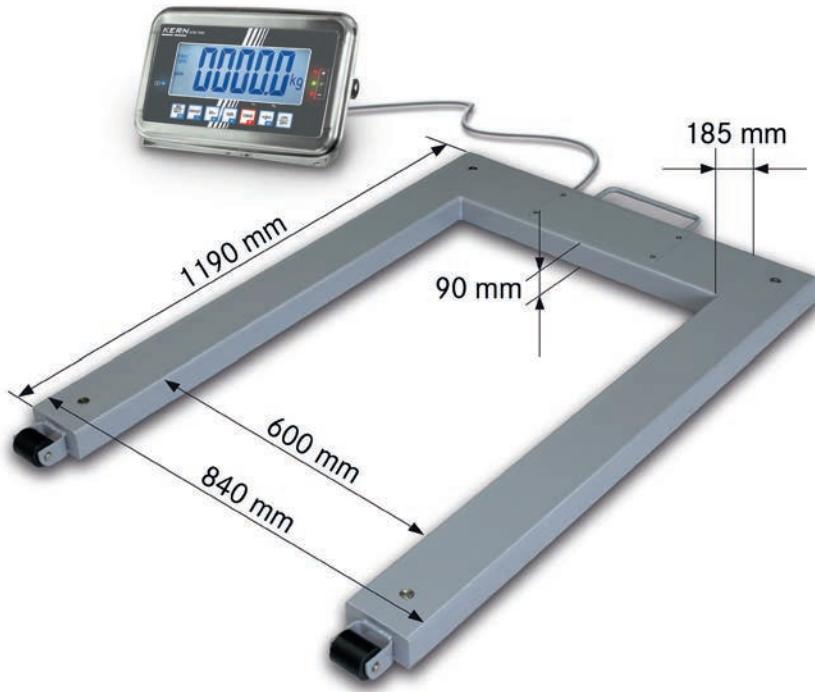
1

OPTION

FACTORY



Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Price excl. of VAT €	Options	
					Verification	DAkkS Calibr. Certificate
KERN					M III KERN	€
UFB 600K200M	600	0,2	4	930,-	965-230	132,-
UFB 1.5T0.5M	1500	0,5	10	930,-	965-230	132,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.						
Verification at the factory, we need to know the full address of the location of use.						



Pallet scale with steel load support (IP67) and stainless steel display device (IP65), with EC type approval [M]

Features

- High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- 1 Load support:** steel, painted, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFU V20
- Two wheels for easy transportation of the scale
- 2 Display device:** for details see KERN KFN-TM
- Weighing with tolerance range (checkweighing):** A visual and audible signal assists the rapid checking of items on palettes
- Counting system:** A counting scale can be connected using the data interface, and this can be used to create a high-capacity counting system for counting the very small parts in largest quantities
- Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Cable length of display device approx. 5 m
- Net weight approx. 55 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**
- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- 4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- 5 Large display with superior display size**, KERN YKD-A02, **€ 220,-**

- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Suitable printers** see Accessories

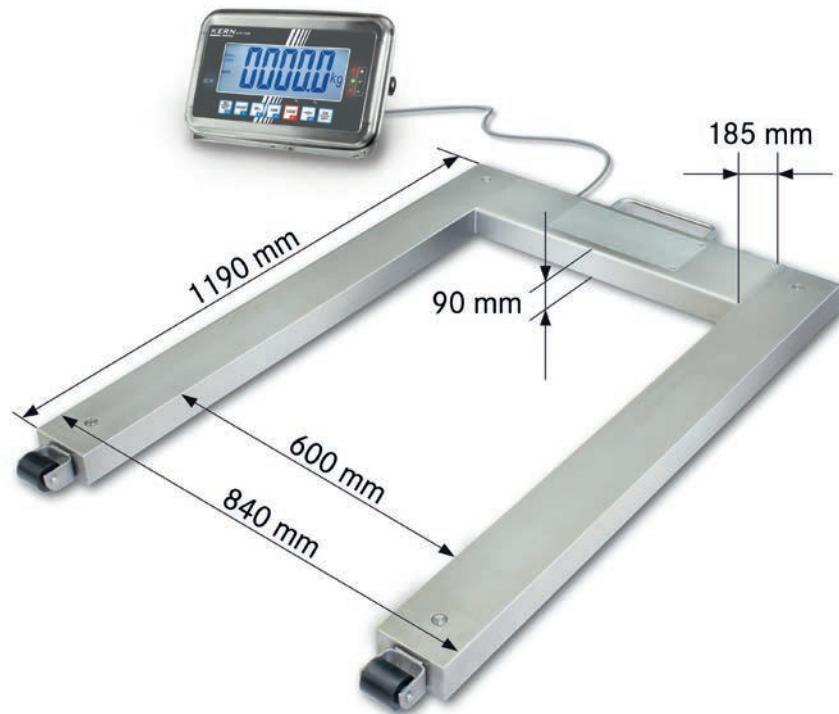
6 Limited tare range with verifiable models 1/6 from [Max])

■ Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD	OPTION								FACTORY		
	DAkkS +3 DAYS	RS 232	ACCU	M							

Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Price excl. of VAT ex works €	Options	
					Verification	DAkkS Calibr. Certificate
KERN					KERN	€
UFC 600K-1M	600	0,2	4	1320,-	965-230	132,-
UFC 1T-1M.	1500	0,5	10	990,-	965-230	132,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.						

Price reduction



Pallet scale (IP67) with XXL display device and EC type approval [M]

Features

- High mobility:** thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- 1 Load support:** stainless steel, extremely resistant to bending due to material thickness, 4 silicone-coated stainless steel load cells, protection against dust and water splashes IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFU-V30
- Your support in a HACCP-compliant quality system
- Suitable for the ever-increasing hygienic requirements in the food industry
- 2 Display device:** for details see KERN KFN-TM
- Two wheels for easy transportation of the scale

- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- Weighing with tolerance range (checkweighing):** A visual and audible signal assists the rapid checking of items on palettes
- Totalising** of weights
- Note:** for additional models with 4 encapsulated stainless steel load cells (IP68) see the website, KERN UFN-BM

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Net weight approx. 55 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFN-A04, **€ 285,-**
- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, KERN GAB-A04, **€ 40,-**
- 4 Large display with superior display size**, KERN YKD-A02, **€ 220,-**
- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

10

5 Limited tare range with verifiable models (½ from [Max])

6 Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD	CAL EXT	SUM	TOL	MOVE	IP 65	IP 67	INOX	ACCU	A	MULTI	DMS	2 DAYS	WARRANTY	OPTION	DAkkS +3 DAYS	FACTORY	M +3 DAYS

Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Price excl. of VAT ex works €	Options	
						Verification	DAkkS Calibr. Certificate
KERN						M III KERN	€
UFN 600K-1M* 5	600	0,2	4	55	1760,-	965-230	132,-
UFN 1.5T-4M	1500	0,5	10	55	1760,-	965-230	132,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.							
Verification at the factory, we need to know the full address of the location of use.							

! * ONLY WHILE STOCKS LAST !



Drive-through scale (IP67) with XXL display device and EC type approval [M]

Features

- **Drive-through scale** for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.
- **1 Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated steel load cells, dust and spray protection IP67
- **Display device:** for details see KERN KFB-TM

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions W×D×H
A 1000×1000×85 mm
B 1200×1200×85 mm
- Dimensions weighing surface
A W×D 1000×1000 mm
B W×D 1200×1200 mm
- Dimensions of display device W×D×H 250×160×65 mm

- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, **€ 35,-**
- **2 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, **€ 120,-**,
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, KERN KFB-A01, **€ 35,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06, **€ 70,-**,
- **3 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **4 Large display with superior display size**, KERN YKD-A02, **€ 220,-**

- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, **€ 35,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: For verified scales the weighing bridge must be fixed to the floor.

Optionally, with an access ramp, a footplate pair or a pit frame

5 Limited tare range with verifiable models (½ from [Max])

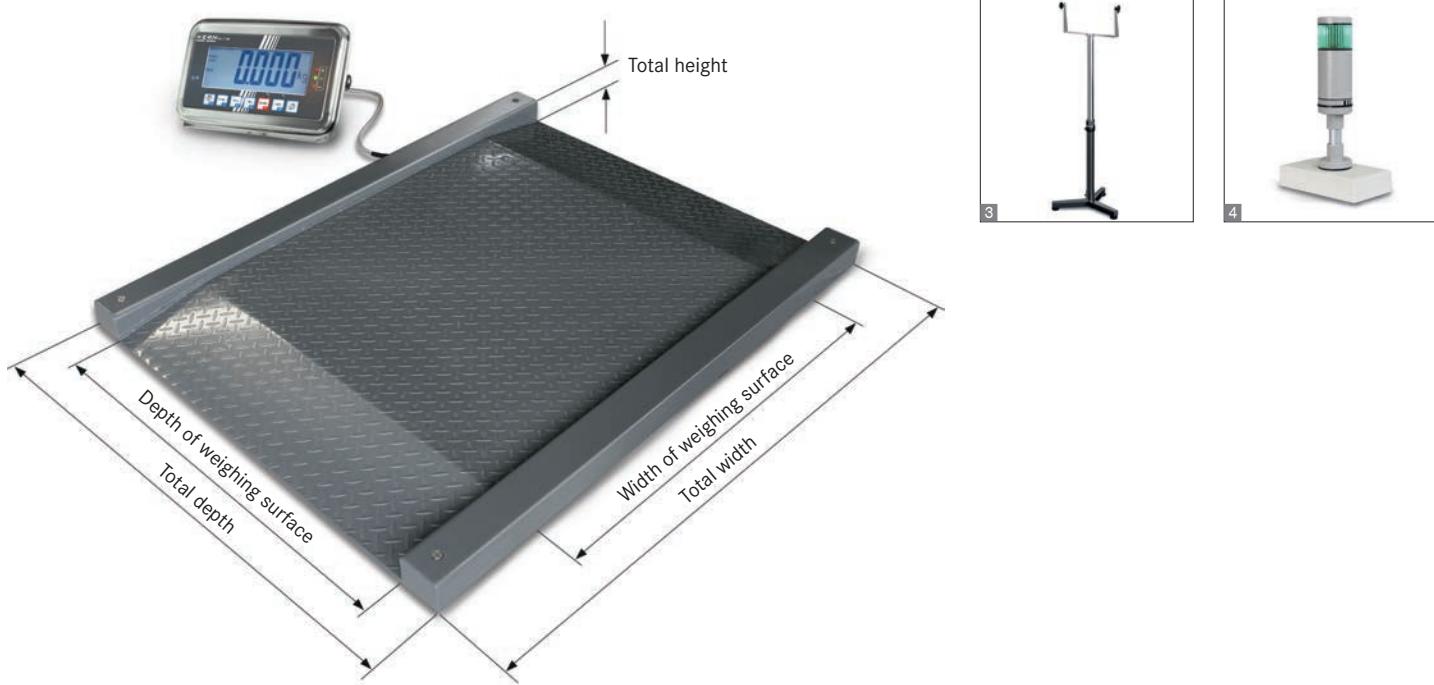
! Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD										OPTION		FACTORY	

1

Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							Verification	
							MII KERN	€
NFB 600K200M	600	0,2	4	130	A	1290,-	965-230	132,-
NFB 600K200LM	600	0,2	4	155	B	1490,-	965-230	132,-
NFB 1.5T0.5M 5	1500	0,5	10	130	A	1290,-	965-230	132,-
NFB 1.5T0.5LM 5	1500	0,5	10	155	B	1460,-	965-230	132,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Drive-through scale (IP67) with stainless steel display device (IP65) and EC type approval [M]

Features

- Drive-through scale** for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.
- 1 Weighing bridge:** out of anti-slip corrugated steel, 4 silicone-coated stainless steel load cells, dust and spray protection IP67
- 2 Display device:** for details see KERN KFN-TM
- Benchtop stand incl. wall mount** for display device as standard
- Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions WxDxH
 - A 1600×1200×80 mm
 - B 1400×1800×80 mm
- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-

- Dimensions weighing surface, steel, painted,
 - A WxD 1000×1000 mm
 - B WxD 1800×1200 mm
- Dimensions of display device WxDxH 266×165×96 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05, € 35,-

- 3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07, € 120,-

- Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06, € 70,-

- Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-

- 4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- Large display with superior display size**, KERN YKD-A02, € 220,-
- Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, € 95,-
- Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp or barcode reader and printer, KERN CFS-A04, € 35,-
- Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, € 160,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

Limited tare range with verifiable models (1/6 from [Max])

! Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD	OPTION								FACTORY
	2	1				M	+3 DAYS		

Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							Verification	
							KERN	€
NBB 600K-1M	600	0,2	4	135	A	1670,-	965-230	132,-
NBB 600K-1LM	600	0,2	4	155	B	1850,-	965-230	132,-
NBB 1T-1M	1500	0,5	10	135	A	1660,-	965-230	132,-
NBB 1T-1LM	1500	0,5	10	155	B	1860,-	965-230	132,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Stainless steel drive-through scale with IP68 weighing bridge, IP65 display device and EC type approval [M]

Features

- Robust stainless steel drive-through scale for rapid weighing of e.g. laundry carts, container trolleys, roller containers, etc. Ideal for hospital laundry services, goods inwards, hospital kitchens, etc.
- **Low platform height** and integrated access ramps on both sides facilitate access. No need for pit frame installation – which saves money
- **Ideal for the increased hygienic requirements** in the food, pharmaceutical and chemical industries
- **1 Weighing bridge:** stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68. Weighing bridge can also be delivered as component without the display device, for details see KERN KFD-V40
- Your support in a **HACCP-compliant quality system**

- **2 Display device:** for details see KERN KFN-TM
- **Totalising** of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions W×D×H
A 1600×1200×80 mm
B 1800×1400×78 mm
1600×1200×80 mm
- Dimensions weighing surface
A W×D 1000×1000 mm
B W×D 1200×1200 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Net weight approx. 135 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **3 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFN-A04, **€ 285,-**
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFN-A03, **€ 70,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- **4 Large display with superior display size**, KERN YKD-A02, **€ 220,-**
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

■ Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

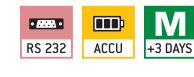
STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options	
							Verification	
							MII	KERN
NFN 600K-1M	600	0,2	4	135	A	2900,-	965-230	132,-
NFN 600K-1LM	600	0,2	4	135	B	2900,-	965-230	132,-
NFN 1T-1M	1500	0,5	10	135	A	2900,-	965-230	132,-
NFN 1T-1LM	1500	0,5	10	135	B	2900,-	965-230	132,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Axle load scales

Over the legal limit!

Axle load or wheel load scales are an ideal weighing solution for mobile weighing of trucks, trailers, small aircrafts etc. on a non-verified basis.

Mobile axle load scales are often used to give indicative measurements, in particular on building sites, during harvest time in the agricultural industry or in the field of traffic monitoring, in order to establish whether vehicles are overloaded or incorrectly loaded. If such measurements will show inconsistencies, a second measurement can be carried out on a verified vehicle scale.

Compared with fixed vehicle scales, axle load scales are usually more affordable. They do not require costly installation and with their compact dimensions and low weight they clearly score highly in terms of mobility.

Using the convenient software in the KERN axle load scales, individual axles can be weighed quickly and easily, one after another. When connected, the various weights at the individual wheels, the weight of the axle or the total weight of the vehicle can be displayed and transferred to the printer.

Thanks to its compact design with a depth of just 50 cm and the equalisation platforms, two axles can be weighed individually, even if they are installed to one another.

Alternatively the innovative design of the weighing pad allows 2 axles to be measured at the same time and the results to be added when these 2 axles are installed right next to each other. This double construction is also recommended for vehicles or trailers with exceptionally large wheels.

The modular construction of the KERN VHP facilitates enable a wide... wide range of different combinations and can therefore be adapted quickly to suit the on-site conditions:



Weighing of trucks, motor homes, trailers etc. for carrying out quick checks of axle weights in any location (Police), to detect and avoid incorrect loading or overloading



Weighing of tractors, trailers, trucks etc. for products and goods control at the point of receipt or dispatch in locations where there is no permanently installed vehicle scale or one is not available for financial reasons



Weighing of airplanes to calculate the loading scheme and determine the centre of gravity, to make sure that the permissible total weight is not exceeded and that the load is correctly distributed



Stephan Ade

Product specialist Axle load scales

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Quick-Finder Axle load scales

Read-out [d]	Weighing range [Max]	Model	Price excl. of VAT €	Page	DAYS	CAL EXT	IP	ACCU
For an explanation on the pictos, see the front flap								
10 kg	15000 kg	VHP 15T-2	5900,-	130	2	●	●	○
5 kg	6000 kg	VHP 6T-3	5900,-	130	2	●	●	○

● = standard ○ = option

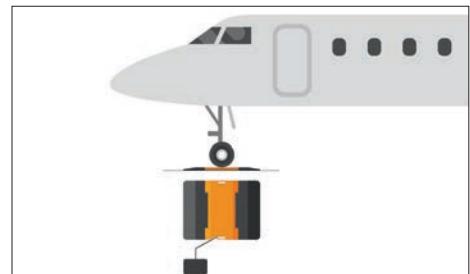
PREMIUM



~~€ 6890,-~~

now:

€ 5900,-



Modular axle load scale for the mobile monitoring of vehicles up to 15 tons

Weighing of airplanes

Order example: 1x display device VHP-T,
1x weighing pad KHP 3000V20LM,
2x ascending ramp VHP-A01



Asynchronous weighing of individual axles
Order example: standard package VHP 6T-3 or VHP 15T-2, see table on the right



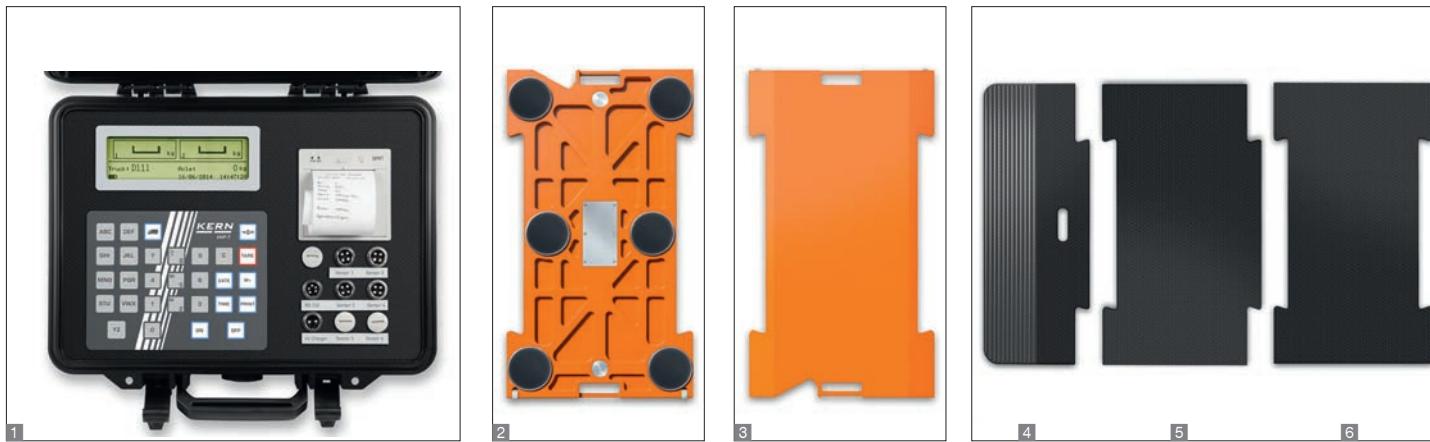
Asynchronous weighing of double axles which are installed next to each other, using compensation pads

Order example: standard package VHP 6T-3 or VHP 15T-2, see table on the right, 4x ascending ramp VHP-A01, 2x compensation pad VHP-A03



Simultaneous weighing of double axles, e.g. of a trailer

Order example: standard package VHP 15T-2, see table on the right, 4x ascending ramp VHP-A01, 2x weighing pad KHP 75000V20LM



Features

- **Mobile axle load scale** for rapid monitoring of vehicles. Space-saving and affordable. Ideal for mobile police or customs checks, on landfill sites, gravel works, biogas plants etc.
- **1 Display device with integrated thermal transfer printer and rechargeable battery pack** in stable, lined transport case standard. 4 quick-release connectors to connect up to 4 weighing pads. The weighing results from the individual weighing pads can be issued individually or cumulatively. Display device can be re-ordered, KERN VHP-T, **€ 1900,-**
- **2 Weighing pad (wheel load plate) extremely resistant to bending because of its high material thickness.** Particularly flat design, only 35 mm. Brackets for access ramps and spacer plates on both sides, and therefore quickly expendable
 - 2 rollers and 2 handles for easy transport of the weighing pad
 - 6 load cells, steel, silicone-coated, IP67
- Scope of supply:
 - 2 weighing pads (wheel load plates)
 - 4 access ramps
 - 1 display device in stable transport case

Technical data

- Backlit LCD graphic display, digit height 10 mm
- Weighing plate dimensions, coated metal, W×D×H 900×500×35 mm
- Dimensions of display device W×D×H 370×280×160 mm
- Net weight for each weighing pad approx. 30,2 kg
- Net weight of each access ramp approx. 12 kg
- Net weight display device (case) approx. 9,2 kg
- Rechargeable battery pack internal, operating time up to 13 h without backlight, charging time approx. 12 h
- Cable length of display device approx. 10 m
- Permissible ambient temperature -40 °C/70 °C

Accessories

- **3 Weighing pad to expand the weighing system VHP**, steel, lacquered (orange), 2 rollers and 2 handles, dimensions W×D×H 900×500×35 mm, 1 piece, for model VHP 6T-3: [Max] = 3000 kg, [d] = 5 kg, KERN KHP 3000V20LM, **€ 2650,-**
VHP 15T-2: [Max] = 7500 kg, [d] = 10 kg, KERN KHP 7500V20LM, **€ 2650,-**

- **4 Ascending ramp**, extremely resistant rubber compound, dimensions W×D×H 900×250×35 mm, KERN VHP-A01, **€ 220,-**
- **5 Ramp extension**, extremely resistant rubber compound, dimensions W×D×H 900×545×35 mm, KERN VHP-A02, **€ 330,-**
- **6 Compensation pad**, extremely resistant rubber compound, dimensions W×D×H 900×545×35 mm, KERN VHP-A03, **€ 330,-**
- **Thermal receipt rolls**, 10 pieces, dimensions W×L 57×18000 mm, Ø 51 mm, KERN RFS-A10, **€ 40,-**
- **DAkkS calibration certificate** (for both pads), see table. DAkkS calibration certificate for one pad, see page 192, KERN 963-132 respectively 963-133

Note: The standard scope of supplies (see technical data) can be expanded with further weighing pads, ramp extensions and balancing platforms (see accessories) and in this way the system can be adapted to cover a wide range of applications. Do you have any questions or special requests? Your KERN product specialist will be happy to help

STANDARD							OPTION	
CAL EXT	UNIT	IP 65	ACCU	DMS	2 DAYS	3 YEARS	DAkkS	+3 DAYS



Model	Weighing range [Max] kg	Readout [d] kg	Weighing pads included with delivery [Max] kg	Price excl. of VAT ex works €	Option	
					DAkkS Calibr. Certificate	DKD KERN €
KERN						
VHP 6T-3	6000	5	2 × 3000	5900,-	963-132A	880,-
VHP 15T-2	15000	10	2 × 7500	5900,-	963-133A	1000,-

! Only while stocks last!

↓ Price reduction



“ **W**e will produce your ideal scale. Combine KERN display devices with platforms, weighing bridges or load receptors in accordance with your individual requirements. KERN will deliver the complete system to you – with DAkkS calibration certificate or conformity evaluation, if required. ”

*Fabian Brenner,
Technical Service*

Display devices/Platforms/Weighing bridges

Putting together individual weighing systems which cannot be verified

KERN offers a range of KERN display devices and KERN weighing units, such as platform scales, floor scales, pallet scales and drive-through scales, which you can put together to make your ideal scale. You choose the components, KERN handles the rest.

Assembly

KERN delivers the complete scale which is ready to use. Prices for assembly can be found in the "Assembly" price table. On request we can also produce a calibration certificate in accordance with DAkkS/DKD at an additional price, see page 192



Stephan Ade

Product specialist

Display devices/Platforms/
Weighing bridges

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ade@kern-sohn.com

You will find a wide variety of display devices, platforms, weighing bridges, etc. in KERN's product range and these can be put together to create your ideal scale. You simply choose the components, KERN handles the rest.



Putting together individual weighing systems which can be verified or are verified

In order to provide the complete package, as well as assembling your individual weighing system, KERN will also carry out the manufacturer's initial verification/evaluation for conformity in accordance with EC directives as a commercial scales of verification class III.

In accordance with the verification regulations, when assembling a display device with a weighing unit you must take the following notes into account:

- Only elements which can be verified with build-type approval or OIML test certificate can be combined into a weighing system which can be verified. With KERN these are labelled with "M".
- Platforms with load cells, provided as third-party products which have an OIML test certificate can be included.
- It will not be possible to carry out verification at a later date, e.g. after assembly and delivery of the weighing system. So please order the verification at the same time as you order the weighing system.

The individual KERN steps:

1. Proof of compatibility	Weighing range	Model	Price excl. of VAT, ex works €
This is mandatory by law and includes testing by using build-type approvals, whether the connection values of the display device match the connection data of the weighing unit.	0 up ... kg	KERN	
	all weighing ranges	965-240	45,-
2. Assembly	up ≤ 50 kg	965-411	70,-
After testing for suitability, using the proof of compatibility, the weighing system will be wired by KERN. The weighing system will then be adjusted, tested and prepared for verification in accordance with verification regulations.	up ≤ 350 kg	965-412	100,-
	up ≤ 1500 kg	965-413	120,-
	up ≤ 2900 kg	965-414	150,-
	up ≤ 6000 kg	965-415	250,-
3. Initial verification by the manufacturer	up ≤ 5 kg	965-227	55,-
KERN is authorised to carry out the initial verification by the manufacturer of scales of verification class III (commercial scales) and is therefore authorised to introduce the weighing system onto the market, after the scale has been sealed with the verification mark.	up ≤ 50 kg	965-228	55,-
	up ≤ 350 kg	965-229	93,-
	up ≤ 1500 kg	965-230	132,-
	up ≤ 2900 kg	965-231	220,-
	up ≤ 6000 kg	965-232	320,-
4. Declaration of conformity			
KERN issues this after manufacturer's initial verification has been carried out successfully and sends it with the verified weighing system at no additional costs.			

Modifications and special services

Description	Model	Price excl. of VAT, ex works €
Cable extensions for platform scales with build-type approval		
up to 4 m extension	965-403	45,-
up to 7 m extension	965-404	60,-
up to 10 m extension	965-405	75,-
Cable extensions for platform scales without build-type approval		
up to 4 m extension	920-403	45,-
up to 7 m extension	920-404	60,-
up to 10 m extension	920-405	75,-
Setting an individual preload		
Balance with build-type approval	965-401	50,-
Balance without build-type approval	965-406	60,-
Other adjustments in the balance or software changes	965-407	95,-/h Please require
Plug connection (replaces the fixed cable connection between the display device and platform with a plug connection which can be disconnected)		
balances with type approval and verification		not currently possible
balances with type approval, no verification	965-406	60,-

Order example

KFP 30V20M platform and KEN-TM display device with cable extension (4 m) and setting an individual preload.

	Model	Price excl. of VAT, ex works €
KERN platform	KFP 30V20M	230,-
KERN display device	KFN-TM	290,-
Proof of compatibility	965-240	45,-
Cable extension	965-403	45,-
Setting the preload	965-401	50,-
Assembly	965-411	70,-
Verification at the factory KERN	965-228	55,-
Complete scale (verified)		785,-



NEW

**1 KERN KFB-TM**

Display device with large digits –
easy to read

Note

to see what options are offered
by this display device, please see
the KERN IFB platform scale on
page 98

2 KERN KIB-TM

Practical Flip/Flop display device for
greatest ease of use

Note

to see what options are offered
by this display device, please see
the KERN OEC platform scale on
page 96/97

3 KERN KFS-TM

Professional indicator with 3 displays,
and with EC type approval

Note

to see what options are offered
by this display device, please see
the KERN IFS platform scale on
page 75

STANDARD



STANDARD



OPTION



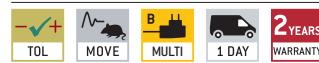
FACTORY



STANDARD



STANDARD



OPTION



STANDARD



STANDARD



OPTION



FACTORY



Features	Model KERN 1 KFB-TM	Model KERN 2 KIB-TM	Model KERN 3 KERN KFS-TM
Display (segments)	5 + ½ digits	7 digits	6 digits
EC type approval	yes	–	yes
Resolution verifiable	6000 e	3000 e	3000 e
Resolution non verifiable	30000 d	30000 d	60000 d
Weighing ranges	≤ 2	≤ 2	≤ 2
Weighing units	kg, lb	g, oz, kg, lb	kg, g
Read-out	1, 2, 5, 10, n	1, 2, 5, 10, n	1, 2, 5, 10, n
Piece counting with reference	10, 20, 50, 100, 200	10, 20, 50, 100	n
Display, digit height	Backlit LCD display, 52 mm	Backlit LCD display, 24 mm	Backlit LCD display, 13/16,5 mm
Additional functions	Totalising, HOLD function	Totalising, HOLD function, animal weighing	99 item memories, totalising, printing of date and time
Strain gauge load cells	87 – 1600 Ω	87 – 1100 Ω	87 – 1600 Ω
Linearisation	3 points	3 points	4 points
Input voltage	12 V, 500 mA	9 V, 100 mA	12 V, 500 mA
Permissible ambient temperature	-10 °C/40 °C	-10 °C/40 °C	0 °C/40 °C
Interface RS-232	yes	yes	yes
Interface RS-485	–	–	–
Interface Bluetooth	–	–	–
Foot switch	–	–	–
Stand	BFS-A07, see page 114, € 120,-	EOC-A05, € 60,-	BFS-A07, see page 114, € 120,-
Benchtop stand for display device/wall mount	yes/yes	EOC-A01, € 25,-	yes/yes
Protective working cover	KFB-A02S05, see page 97, € 35,-	EOC-A04, € 30,-	KFB-A02S05, see page 75, € 35,-
Rechargeable battery pack	KFB-A01, see page 97, € 35,-	KFS-A01, see page 75, € 35,-	KFS-A01, see page 75, € 35,-
Operating/charging time	up to 35 h/12 h	up to 36 h/3 h	up to 40 h/12 h
Dimensions Housing WxDxH	250×160×58 mm	268×115×80 mm	260×150×65 mm
Net weight	1,5 kg	0,8 kg	1,5 kg
Price excl. of VAT, ex works €	200,-	160,-	210,-



NEW

**4 KERN KXG-TM**

IP68 display device with integrated power supply

Note

ideal, when you are looking for an affordable display device with the key industrial functions

5 KERN KFT-TM

KERN Easy-Touch display device – the intuitive way to weigh



to see what options are offered by this display device, please see the KERN IFT platform scale on page 107/108

STANDARD



STANDARD



STANDARD



STANDARD



OPTION



FACTORY



OPTION

**Features****Model KERN****4 KXG-TM**

	Model KERN	Model KERN
	4 KXG-TM	5 KFT-TM
Display (segments)	6 digits	6 digits
EC type approval	yes	–
Resolution verifiable	10000 e	–
Resolution non verifiable	30000 d	30.000 d
Weighing ranges	≤ 2	≤ 2
Weighing units	kg, g	kg, g
Read-out	1, 2, 5, 10, 20, 50	1, 2, 5
Piece counting with reference	10, 20, 50, 100, 200	10, 20, 50, 100, 200
Display, digit height	Backlit LCD display, 55 mm	Graphics backlit LCD touch display, 12 mm
Additional functions	PRE-TARE function, totalising, HOLD function, peak hold, zero-point memorisation	8 GB internal memory, 64 MB RAM, Dual-Core processor, alibi memory, password protection, user profiles, up to 4 platforms can be connected
Strain gauge load cells	87 – 1600 Ω	80 – 1200 Ω
Linearisation	2-7 points	2 points
Input voltage	110-230 V AC	12 V DC, 2500mA
Permissible ambient temperature	-10 °C/40 °C	-10 °C/40 °C
Interface RS-232	KXS-A04, € 40,-	yes
Interface RS-485	KXS-A01, € 85,-	–
Interface Bluetooth	KXS-A02, € 110,- (Scale ▶ PC)	–
Foot switch	KXS-A03, € 70,-	–
Stand	YKP-01, € 370,-	–
Benchtop stand for display device/wall mount	yes/yes	yes/yes
Protective working cover	–	yes/yes
Rechargeable battery pack	GAB-A04, € 40,-	KFB-A01, € 35,-
Operating/charging time	up to 80 h/12 h	up to 7 h/12 h
Dimensions Housing WxDxH	232×170×80 mm	252×152×134 mm
Net weight	2 kg	1 kg
Price excl. of VAT, ex works €	210,-	650,-

**6 KERN KFE-TM**

Stainless steel display device with IP65 protection

Note

to see what options are offered by this display device, please see the KERN SFE platform scale on page 100

**7 KERN KFN-TM**

Stainless steel display device with IP65 protection and superior display size

Note

to see what options are offered by this display device, please see the KERN SFB platform scale on page 63

**8 KERN KXS-TM**

Stainless steel display device with IP68 protection and integrated power supply

Note

to see what options are offered by this display device, please see the KERN SXS platform scale on page 64

STANDARD									
CAL EXT	SUM	TOL	MOVE	IP 65	INOX	ACCU			

STANDARD		
MULTI	1 DAY	2 YEARS WARRANTY

FACTORY
M

STANDARD									
CAL EXT	PCS	SUM	TOL	MOVE	IP 65	INOX			

STANDARD		
A	1 DAY	2 YEARS WARRANTY

OPTION	
RS 232	ACCU

FACTORY
M

STANDARD									
CAL EXT	PCS	SUM	%	PERCENT	TOL	MOVE	IP 68		

STANDARD		
INOX	230 V	1 DAY

OPTION			
RS 232	RS 485	BT 2.0	ACCU

FACTORY
M

Features	Model KERN 6 KERN KFE-TM	Model KERN 7 KERN KFN-TM	Model KERN 8 KERN KXS-TM
Display (segments)	6 digits	5 + 1/2 digits	6 digits
EC type approval	yes	yes	yes
Resolution verifiable	6000 e	6000 e	10000 e
Resolution non verifiable	30000 d	30000 d	30000 d
Weighing ranges	≤ 2	≤ 2	≤ 2
Weighing units	kg	kg	kg, g
Read-out	1, 2, 5, 10, n	1, 2, 5, 10, n	1, 2, 5, 10, 50
Piece counting with reference	–	10, 20, 50, 100, 200	10, 20, 50, 100, 200
Display, digit height	Backlit LCD display, 22 mm	Backlit LCD display, 52 mm	Backlit LCD display, 55 mm
Additional functions	–	Totalising, HOLD function	PRE-TARE function, totalising, HOLD function, peak hold, zero-point memorisation
Strain gauge load cells	87 – 1200 Ω	87 – 1600 Ω	87 – 1600 Ω
Linearisation	2 points	2 points	2-7 points
Input voltage	12 V, 500 mA	12 V, 500 mA	220-240 V AC
Permissible ambient temperature	-10 °C/40 °C	-10 °C/40 °C	-10 °C/40 °C
Interface RS-232	–	KFN-A01, see page 63, € 95,-	KXS-A04, € 40,-
Interface RS-485	–	–	KXS-A01, € 85,-
Interface Bluetooth	–	–	KXS-A02, € 110,- (Scale ▶ PC)
Foot switch	–	–	KXS-A03, € 70,-
Stand	–	BFS-A07, see page 118, € 120,-	YKP-01, € 370,-
Benchtop stand for display device/wall mount	yes/yes	yes/yes	yes/yes
Protective working cover	–	–	–
Rechargeable battery pack	standard	GAB-A04, € 40,-	GAB-A04, € 40,-
Operating/charging time	up to 45 h/12 h	up to 35 h/12 h	up to 80 h/12 h
Dimensions Housing W×D×H	195×118×83 mm	266×165×96 mm	232×170×80 mm
Net weight	1 kg	2,5 kg	2,5 kg
Price excl. of VAT, ex works €	250,-	290,-	300,-

NEW



Similar to illustration

KERN YKU-01

AD converter for recording weighing data in industrial environments

**Features**

- Makes your weighing processes ready for the requirements of Industrie 4.0
- For rapid transfer of weighing data to connected networks, computers, etc.
- RS-232 and USB data interface, standard
- Transfer formats are freely configurable
- Many interface variants available:
Bluetooth 2.0, YKI-09, **€ 95,-**
WLAN, KERN YKU-A01, **€ 120,-**
Ethernet, YKU-A03, **€ 100,-**
- Please note:** simultaneous use of Bluetooth and USB interface or Ethernet and WLAN interface is not possible. Before making your purchase, if necessary, please contact your KERN customer adviser who will be happy to help you.
- Optional: Balance Connection Software – flexible recording or transfer of measurements, particularly to Microsoft® Excel or Access, for further details see page 165, KERN SCD-4.0, **€ 150,-**
- Functions: Weighing, tare function, checking, switching, dispensing
- Internal Resolution 16 million divisions
- Measurement rate 80 per second
- Easy configuration using the software supplied
- Robust aluminium cast housing, IP 65
- Suitable for wall mounting and DIN track mount
- Dimensions housing W×D×H 205×50×110 mm
- Net weight approx. 1 kg
- KERN YKU-01, **€ 420,-**

**1 KERN KFP V20 IP65**

Platform



- 1 Stainless steel-weighing plate**
A Painted steel base
- 1 load cell, aluminium, silicone-coated, IP65, OIML-R60-approved**, class III, 3000 e
- Level indicator and levelling feet** for precise levelling of the scale



Model	Weighing range [Max] kg	Readout [d]	Verific. value [e]	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate W×D×H mm	Price excl. VAT, ex works €
1 Platform KFP-V20 IP65								
KFP 6V20M	6	2	1 2	40	2	3,8	230×230×110	170,-
KFP 6V20LM	6	0,2	1 2	40	2,5	6	300×240×110	190,-
KFP 15V20M	15	0,5	2 5	100	2	6	300×240×110	190,-
KFP 15V20LM	15	0,5	2 5	100	2,5	10	400×300×128	230,-
KFP 30V20SM	30	5 10	10	200	2,5	7	300×240×110	195,-
KFP 30V20M	30	1	5 10	200	2	10	400×300×128	230,-
KFP 60V20M	60	0,2	10 20	400	2	10	400×300×128	230,-
KFP 60V20LM	60	2	10 20	400	2	13	500×400×137	290,-
KFP 150V20M	150	5	20 50	1000	2	13	500×400×137	290,-
KFP 150V20LM	150	5	20 50	1000	2	22	500×650×135	510,-
KFP 300V20M	300	10	50 100	2000	2	22	500×650×134	510,-
KFP 600V20AM	600	200	200	4000	2,5	46	800×600×150	740,-



2 KERN KXP V20 IP65

Platform

STANDARD	FACTORY
IP 65 1 DAY 2 YEARS WARRANTY	

- **2** Stainless steel-weighing plate, **B** Painted steel base, is extremely rigid, wing design
- **1 load cell, aluminium, silicone-coated, IP65, OIML-R60-approved**, class III, 3000 e
- **Level indicator and levelling feet** for precise levelling of the scale

3 KERN KFP V20 IP67

Weighing bridge

STANDARD	FACTORY
IP 67 1 DAY 2 YEARS WARRANTY	

- **C Weighing plate screwed on from the top (models with [Max] ≤ 1500 kg)**, so it is easy to remove, hygienic and easy to clean
- **Lacquered steel weighing bridge**, models with weighing range [Max] ≥ 3000 kg corrugated steel plate. Extremely resistant to bending due to material thickness
- **4 Load cells, steel, silicone-coated, IP67, OIML-R60-approval for verification**, class III, 3000 e
- Can be built in using pit frames (optional)
- **Level indicator and levelling feet** for precise levelling of the scale
- **Easy access to the junction box** from the top
- **Comfortable levelling of the weighing bridge** from the top
- Accessories page 114 (KERN BFB)

4 KERN KFD V20

Weighing bridge

STANDARD	FACTORY
IP 67 1 DAY 2 YEARS WARRANTY	

- **Weighing bridge made of non-slip corrugated steel plate**, lacquered, two access ramps integrated, extremely resistant to bending
- Extremely flat construction to facilitate access: access height only 45 mm
- **4 Load cells, alloy steel, silicone-coated, IP67, OIML-R60-approved** class III, 3000 e
- Accessories page 126 (KERN NFB)



Model	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate W×D×H mm	Price excl. VAT, ex works €
2 Platform KXP-V20								
KXP 6V20LM	6	0,2	1 2	40	3	3,2	300×240×90	220,-
KXP 15V20M	15	0,5	2 5	100	3	3,2	300×240×90	230,-
KXP 15V20LM	15	5	5	100	3	8	400×300×90	320,-
KXP 30V20M	30	1	5 10	200	3	8	400×300×89	320,-
KXP 30V20LM	30	1	5 10	200	3	18	500×400×123	450,-
KXP 60V20M	60	2	10 20	400	3	11	400×300×89	330,-
KXP 60V20LM	60	2	10 20	400	3	22	500×400×123	460,-
KXP 150V20M	150	5	20 50	1000	3	18	500×400×123	450,-
KXP 150V20LM	150	5	20 50	1000	3	34	650×500×133,5	540,-
KXP 300V20M	300	10	50 100	2000	3	34	650×500×133,5	540,-
3 Weighing bridge KFP-V20 IP67								
KFP 600V20SNM	600	200	200	4000	5	105	1000×1000×80	1010,-
KFP 600V20NM	600	200	200	4000	5	135	1500×1250×80	1410,-
KFP 1500V20SNM	1500	500	500	10000	5	105	1000×1000×80	1010,-
KFP 1500V20NM	1500	500	500	10000	5	135	1500×1250×80	1450,-
KFP 3000V20NM	3000	1000	1000	20000	5	135	1500×1250×80	1410,-
KFP 3000V20LNM	3000	1000	1000	20000	5	155	1500×1500×80	1600,-
KFP 6000V20NM	6000	2000	2000	40000	5	210	1500×1500×130	1730,-
4 Weighing bridge KFD-V20								
KFD 600V20M	600	200	200	4000	5	130	1600×1200×78	1270,-
KFD 600V20LM	600	200	200	4000	5	155	1400×1800×80	1450,-
KFD 1500V20M	1500	500	500	10000	5	125	1600×1200×78	1270,-
KFD 1500V20LM	1500	500	500	10000	5	175	1800×1400×78	1460,-



5 KERN KFA V20

Weighing beams

STANDARD

IP 67	2 DAYS	3 YEARS WARRANTY

- **Weighing beams and painted steel base**
- **4 load cells, alloy steel, silicone-coated, IP67**
- **Levelling feet** for precise levelling of the weighing beams
- **D Image below: Version up to 6 t available.** Each weighing beam has a roller and handle for easy transport of the scale (KERN KFA-L)
- **NEW:** new model with short weighing beams, ideal for weighing compact items or animals in transport boxes
 - KERN KFA 600V20S
- Accessories page 122 (KERN UFA)



6 KERN KFU V20/V30

U-Weighing bridge

STANDARD

IP 67	INOX	2 DAYS	3 YEARS WARRANTY	KFU V30

- **6 Load range: painted steel (V20), stainless steel (V30) height 90 mm**
- **4 load cells, alloy steel, silicone-coated, IP67, OIML-R60-approval for verification, class III, 3000 e**
- **2 rollers and handle** for easy transport of the scale
- Accessories KFU V20 page 123 (KERN UFB)
- Accessories KFU V30 page 125 (KERN UFN)



7 KERN KFP V30

Platform

STANDARD

IP 67	INOX	2 DAYS	3 YEARS WARRANTY	M

- **7 Stainless steel-weighing plate,**
 - E Stainless steel substruction
- **1 load cell, Stainless steel, silicone-coated, IP67, OIML-approved, class III, 3000 e**
- **Level indicator and levelling feet** for precise levelling of the scale



Note

for additional models with
4 encapsulated stainless steel
load cells (IP68) see the website,
KERN UFN-BM



Model	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate WxDxH mm	Price excl. VAT, ex works €
5 Weighing beams KFA-V20								
KFA 600V20S <small>NEW</small>	600	200	-	-	5	30	800×120×80	890,-
KFA 1500V20	1500	500	-	-	5	36	1200×120×100	910,-
KFA 3000V20	3000	1000	-	-	5	36	1200×120×100	910,-
KFA 3000V20L	3000	1000	-	-	5	65	2000×120×100	1150,-
KFA 6000V20	6000	2000	-	-	5	85	1200×160×80	1220,-
KFA 6000V20L	6000	2000	-	-	5	125	2100×160×85	1550,-
6 U-Weighing bridge KFU-V20								
KFU 600V20M	600	200	200	4000	5	53	842×1300×90	750,-
KFU 1500V20M	1500	500	500	10000	5	53	842×1300×90	750,-
6 Stainless steel U-Weighing bridge KFU-V30								
KFU 600V30M	600	200	200	4000	5	53	842×1300×90	1750,-
KFU 1500V30M	1500	500	500	10000	5	53	842×1300×90	1750,-
7 Stainless steel platform KFP-V30								
KFP 15V30M	15	0,5	5	100	2,5	4,6	300×240×100	480,-
KFP 30V30SM	30	10	10	200	2,5	7	300×240×100	490,-
KFP 30V30M	30	1	10	200	2,5	10	400×300×128	545,-
KFP 60V30M	60	2	20	400	2,5	10	400×300×128	550,-
KFP 60V30LM	60	0,2	20	400	2,5	10	500×400×137	650,-
KFP 60V30XLM	60	2	20	400	2,5	22	650×500×142	990,-
KFP 150V30SM	150	5	50	1000	2,5	10	400×300×128	540,-
KFP 150V30M	150	5	50	1000	2,5	15	500×400×137	660,-
KFP 150V30LM	150	5	50	1000	2,5	22	650×500×142	1000,-
KFP 300V30M	300	10	100	2000	2,5	22	650×500×142	990,-

NEW New model



NEW

8 KERN KFP V40

Weighing bridge

STANDARD	FACTORY
IP 68	INOX
2 DAYS	3 YEARS WARRANTY

- **8 Weighing bridge entirely made of stainless steel**, extremely resistant to bending because of its high material thickness
- **F Weighing plate fixed with stainless steel screws**, for easier access to the loadcells from above
- **4 load cells, stainless steel, encapsulated, IP68, OIML-R60-approved**, class III, 3000 e
- Can be built in using pit frames (optional)
- **Level indicator and levelling feet** for precise levelling of the scale
- **Comfortable levelling of the weighing bridge** from the top
- Accessories page 119 (KERN BFN)

9 KERN KFD V40

Weighing bridge

STANDARD	FACTORY
IP 68	INOX
2 DAYS	3 YEARS WARRANTY

- **9 Weighing bridge made from stainless steel**, two integrated access ramps, extremely resistant to bending
- Extremely flat construction to facilitate access: access height only 45 mm
- **4 load cells, stainless steel, encapsulated IP68, OIML-R60-approval for verification**, class III, 3000 e
- **Level indicator and levelling feet** for precise levelling of the scale
- Accessories page 128 (KERN NFN)

10 KERN KKP-V40

Weighing bridge

STANDARD	FACTORY
IP 68	INOX
5 DAYS	3 YEARS WARRANTY

- **10 Weighing bridge made entirely of stainless steel**, extremely resistant to bending because of its high material thickness
- **G To clean or service the floor scale, the weighing plate can be flipped up easily using two retractable handles**, without damaging your back
- **4 load cells, stainless steel, encapsulated IP68, OIML-R60-approval for verification**, class III, 3000 e
- Can be built in using pit frames (optional)
- **Level indicator and levelling feet** for precise levelling of the scale
- **Comfortable levelling of the weighing bridge** from the top
- Accessories page 120/121 (KERN BKN)



Model	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate WxDxH mm	Price excl. VAT, ex works €
KERN								
8 Stainless steel weighing bridge KFP-V40								
KFP 600V40SM	600	200	200	4000	5	95	1000×1000×80	2610,-
KFP 1500V40SM	1500	500	500	10000	5	95	1000×1000×80	2690,-
KFP 1500V40M	1500	500	500	10000	5	135	1500×1250×80	3330,-
KFP 3000V40M	3000	1000	1000	20000	5	135	1500×1250×80	3350,-
9 Stainless steel weighing bridge KFD-V40								
KFD 600V40M	600	200	200	4000	5	130	1600×1200×78	2880,-
KFD 1500V40M	1500	500	500	10000	5	130	1600×1200×78	2880,-
10 NEW Stainless steel weighing bridge KKP-V40								
KKP 600V40SM	600	200	200	4000	5	97	1000×1000×110	3200,-
KKP 600V40M	600	200	200	4000	5	126	1500×1250×110	3900,-
KKP 1500V40SM	1500	500	500	10000	5	97	1000×1000×110	3200,-
KKP 1500V40M	1500	500	500	10000	5	126	1500×1250×110	3900,-
KKP 3000V40M	3000	1000	1000	20000	5	126	1500×1250×110	3900,-
KKP 3000V40LM	3000	1000	1000	20000	5	156	1500×1500×110	5400,-

Pallet truck scales

Weighing and transporting – just one operation

Speed up your warehouse and dispatch processes with the KERN pallet truck scales.

Get the exact weight of a load and at the same time, transport it to a specific location, all in one operation. This reduces commissioning times and avoids queues in front of fixed floor scales.

These mobile weighing solutions are space-saving and deliver reliable weighing results. Differences between given and actual weights can be determined quickly e.g. in the goods-in and out department. This uncovers inaccurate quantities, saves time and money and therefore ensures a very short amortisation period of the scales original cost.

KERN offers a carefully coordinated range from the affordable entry level model to the comfort model with printer and removable battery pack.

KERN pallet truck scales are of robust industrial quality, with high-level protection against dust and water splashes, with high-contrast, easy-to-read displays as well as solid wheels and load rollers – all this helps to give you practical support in your work – day after day.

Of course, all KERN pallet truck scales can also be calibrated and delivered with a DAkkS calibration certificate (DKD) (optional). This ensures the high level of accuracy of your pallet truck scale.

Quick-Finder Pallet truck scales

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT €	Page						
					DAYS	CAL EXT	SUM	IP	BATT	ACCU
1 kg	2 t	VFB 2T-3	1430,-	144	2	●	●	●		●
1 kg	2 t	VHB 2T1	1350,-	145	2	●	●	●	●	●
5 kg	2 t	VHE 2T5A	1020,-	143	2	●		●	●	

For an explanation on the pictos, see the front flap

● = standard ○ = option

Your product specialist's recommendation:



The power pack in the dispatch department and the warehouse



The display device is well-protected by a metal frame



Optimised load rollers so that you can get over rough ground more easily and greater manoeuvrability

HIGH-LIGHT



only €
1020,-
► page 143

KERN VHE-A



Katharina Wilhelm
Product specialist Pallet truck scales

Tel. +49 [0] 7433 9933-218
Fax +49 [0] 7433 9933-29218
katharina.wilhelm@kern-sohn.com



Entry-level model into mobile weighing

Features

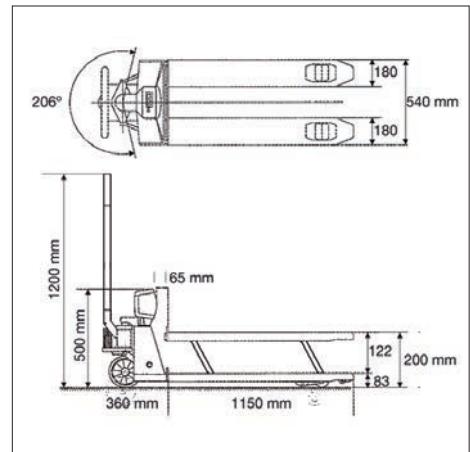
- Highly versatile for general check-weighing**, e.g. plausibility check at goods receiving, determining shipping weights, avoiding overloads, safety checks
- Very manoeuvrable** thanks to its compact construction and low weight
- Particularly robust** with its components having been relocated from the load fork into the protected housing area. It is therefore also ideal for heavy applications in the production area and on board lorries
- A Display device:** plastic, protection against dust and water splashes IP65
- Low height of the loading forks** easy uplifting to work with low pallets
- Pivot range** 206°
- Castors:** Solid rubber on aluminium rims
- Load rollers:** Polyurethane

Operation:

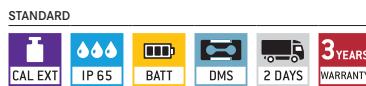
- Switch on and then pump up the load fork to the reference height
- Tare off
- Release the load fork and load the goods to be weighed
- Weighing: Pump the load fork with the goods to be weighed up to the reference height, read off the weight
- Ready for use: Batteries included, 2x1.5 V AA, operating time up to 100 h, AUTO-OFF function to preserve the battery

Technical data

- Large LCD display, digit height 18 mm
- Permissible ambient temperature -10°C/40°C



■ Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

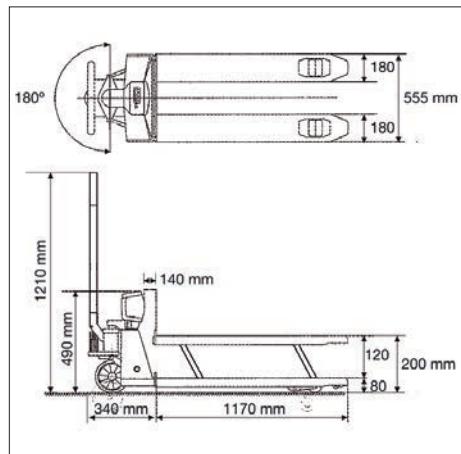


A

Model	Weighing range [Max] kg	Readout [d] kg	Net weight approx. kg	Price excl. of VAT ex works €	Option	
					DAkkS Calibr. Certificate	DKD KERN €
KERN						
VHE 2T5A	2000	5	65	1020,-	963-131	220,-



Pallet truck scale with totalising function for weights and integrated rechargeable battery pack



Features

- **PRE-TARE function** for manual deduction of a known container weight (e.g. pallet, mesh crate etc.)
 - **1 Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
 - **Pivot range 180°**
 - **Castors:** Solid rubber on aluminium rims
 - **2 Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily
 - **Check the weighing range which is in use** at the press of a button (net/gross weight)
 - **Totalising** of weights
 - Rechargeable battery pack internal, operating time up to 40 h without backlight, charging time approx. 12 h

Technical data

- 1 Backlit LCD display, digit height 22 mm
 - Permissible ambient temperature
-10 °C/40 °C

Accessoires

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN VFB-A01S05, **€ 25,-**

Note: As standard, the unit is dispatched without the sha and display fitted. The sha and display can be fitted at our factory for an additional cost, delivery + 2 working days, KERN VFS-M01, **€ 150,-**
Please state when ordering.

! Shipment via freight forwarder.
Please ask for dimensions, gross weight,
shipping costs

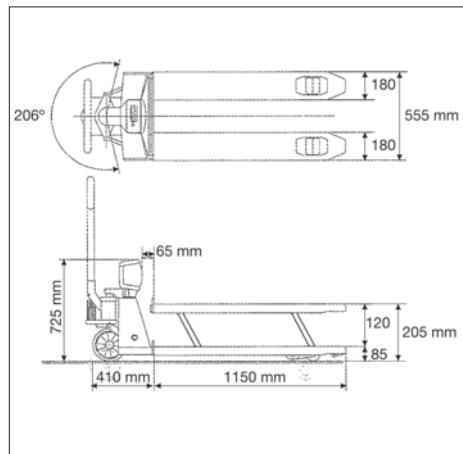
A horizontal bar containing several icons representing product features: a water bottle labeled 'CAL EXT', a stack of boxes labeled 'SUM', three water droplets labeled 'IP 67', a battery labeled 'ACCU', a truck labeled 'MULTI', a gear labeled 'DMS', a truck labeled '2 DAYS', and a red box labeled '3 YEARS WARRANTY'.

OPTION
DAkkS
+3 DAYS
only with
YES-M01

Model	Weighing range	Readout	Net weight approx.	Price excl. of VAT ex works	Option	
	[Max] kg				DAkkS Calibr. Certificate	DKD KERN
KERN						€
VFB 2T-3	2000	1	110	1430.-	963-131	220.-



Pallet truck scale with complete protection against dust and water splashes IP65/67 and a memory for a container weight



Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **1 Display device:** plastic, protection against dust and water splashes IP65
- **2 Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
- **Pivot range 206°**
- **Castors:** Solid rubber on aluminium rims
- **3 Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily
- **Totalising of weights**
- Ready for use: Batteries included, 4x1.5 V AA, operating time up to 80 h

Technical data

- Large LCD display, digit height 28 mm
- Permissible ambient temperature -10 °C/40 °C

Accessoires

- Castors made of red polyurethane on aluminium rims. Ideal for light-coloured flooring as they leave less visible abrasive marks. Suitable for the current models of the pallet truck scale ranges KERN VHB, KERN VHS (when retrofitting, please give the serial number of the pallet truck scale available when ordering), scope of delivery: 1 item, KERN VHB-A02, € 160,-

■ Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD



OPTION



1 2

Model	Weighing range [Max] kg	Readout [d] kg	Net weight approx. kg	Price excl. of VAT ex works €	Option	
					DAKKS Calibr. Certificate	DKD KERN €
KERN						
VHB 2T1	2000	1	110	1350,-	963-131	220,-

We weigh almost everything ... and that's not all!

KERN Microscopes & Refractometers

We offer you a complete, carefully-designed range of biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers which are high-quality and highly-competitive in terms of price.

Comprehensive product details, high-quality materials, durability and ergonomic operation are all in line with the typical KERN "virtues" - quick delivery, large stocks, competent advice, comprehensive pre- and after sales service.



KERN Medical Scales

For years an established name in doctors' surgeries, nursing homes, rehabilitation clinics and hospitals.

Wherever reliable quality is important, look no further than the complete KERN range of medical scales, from baby scales, to personal scales, chair scales, obesity scales through to hand grip dynamometers.

SAUTER measuring technology

The SAUTER measuring technology range covers a large selection of force-measurement devices, measurement devices for coating thickness, material thickness, hardness measurement equipment (Shore, Leeb), calliper gauges, photometers, sound level meters and test benches.



Hanging scales/Crane scales

TÜV-tested safety

KERN puts great emphasis on safety. For your safety, all KERN hanging and crane scales are subject to a stringent load test in accordance with EN 13155 and (Non-fixed load lifting attachments/breakage resistance) and EN 61010-1 (Electrical safety).

New in the KERN crane scale range: Compact crane scales/load receptors/tensile dynamometers – KERN HFA and HFC.

As well as the classic crane scales, we also have electronic tensile dynamometers which are extremely versatile thanks to their stable, compact construction. They can, for example, be fitted into testing machines, used for checking for over-load, for bracing and tensile force measurement, etc.

This type of device is ideally suited for use between shackles or with a test bench. This is where the benefit of this construction comes to the fore, as the tensile force can be applied in both directions. These compact crane scales are also particularly suitable when weighing suspended loads where space is tight.

At the core of this construction is a robust load cell. Through the absence of moving parts, these balances are practical in maintenance and wear free.

Note

DAkkS calibration (DKD) and conformity evaluation for crane scales up to 12 t

Do you use your crane scales in ISO-certified processes or where verification is mandatory? Then we can produce the right calibration certificate or the relevant Declaration of Conformity for your measuring device. Thanks to a modern crane scale test unit, we can calibrate or verify crane scales and force-measuring devices from any manufacturer to a maximum load of up to 12 t or 120 kN. You can find all the important details on pages 192, 197, 198 or directly from one of our test service specialists, we will be pleased to help you.



Your product specialist's recommendation:

- For loads up to 10 tons**
- Can also be used for tensile force measurement**
- TÜV-tested safety**

HIGH-LIGHT



Lisa Mayer
Product specialist
Hanging scales/Crane scales

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lisa.mayer@kern-sohn.com

from €
590,-

► page 151



KERN HFA

Quick-Finder Hanging scales/Crane scales

Read-out [d]	Weighing range [Max]	Model	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	RS 232	MOVE	IP	INOX	BATT	ACCU
					For an explanation on the pictos, see the front flap								
5 g	5 kg	HDB 5K5N	60,-	149	1	●			●			●	
10 g	10 kg	HDB 10K10N	60,-	149	1	●			●			●	
10 g	20 kg	HCB 20K10	105,-	150	1	●			●			●	
20 g	15 kg	CH 15K20	71,-	149	1	●			●			●	
20 g	50 kg	HCB 50K20	115,-	150	1	●			●			●	
50 g	50 kg	CH 50K50	76,-	149	1	●			●			●	
50 g	99 kg	HCB 99K50	100,-	150	1	●			●			●	
50 g	150 kg	HFB 150K50	355,-	153	1	●							●
100 g	50 kg	CH 50K100	66,-	149	1	●			●			●	
100 g	50 kg	HCB 50K100	90,-	150	1	●			●			●	
100 g	50 kg	HCN 50K100IP	130,-	150	1	●			●	●	●	●	
100 g	200 kg	HCB 200K100	110,-	150	1	●			●			●	
100 g	300 kg	HFB 300K100	385,-	153	1	●							●
100 g	1 t	HFM 1T0.1	720,-	154	1	●							●
200 g	100 kg	HCB 100K200	110,-	150	1	●			●			●	
200 g	100 kg	HCN 100K200IP	130,-	150	1	●			●	●	●	●	
200 g	600 kg	HFA 600K-1	590,-	151	1	●						●	
200 g	600 kg	HFC 600K-1	990,-	152	1	●						●	
200 g	600 kg	HFB 600K200	385,-	153	1	●						●	
500 g	1 t	HFA 1T-4	690,-	151	1	●						●	
500 g	1 t	HFC 1T-4	990,-	152	1	●						●	
500 g	1,5 t	HFO 1.5T0.5M	1050,-	154	1	○	●						●
500 g	1,5 t	HTS 1T-4AM	1190,-	155	1	○	●						●
500 g	200 kg	HCB 200K500	99,-	150	1	●			●			●	
500 g	200 kg	HCN 200K500IP	130,-	150	1	●			●	●	●	●	
500 g	3 t	HFM 3T0.5	750,-	154	1	●							●
500 g	3 t	HFT 3T0.5	1270,-	156	1	●	●	●	●	●			●
500 g	5 t	HFM 5T0.5	970,-	154	1	●							●
1000 g	0,5 t	HCB 0.5T-3	215,-	150	1	●			●			●	
1000 g	3 t	HFA 3T-3	750,-	151	1	●						●	
1000 g	3 t	HFC 3T-3	1050,-	152	1	●						●	
1000 g	3 t	HFO 3T1M	1180,-	154	1	○	●					●	
1000 g	3 t	HTS 3T-3AM	1250,-	155	1	○	●					●	
1000 g	5 t	HFT 5T1	1510,-	156	1	●	●	●	●	●		●	
1000 g	10 t	HFM 10T1	1330,-	154	1	●						●	
2000 g	1 t	HCB 1T-3	275,-	150	1	●			●			●	
2000 g	5 t	HFA 5T-3	790,-	151	1	●						●	
2000 g	5 t	HFC 5T-3	1090,-	152	1	●						●	
2000 g	6 t	HFO 6T2M	1470,-	154	1	○	●						●
2000 g	6 t	HTS 6T-3AM	1320,-	155	1	○	●						●
5000 g	10 t	HFA 10T-3	1050,-	151	1	●						●	
5000 g	10 t	HFC 10T-3	1370,-	152	1	●						●	
5000 g	10 t	HTS 10T-3AM	1460,-	155	1	○	●					●	
2000 g	10 t	HFT 10T2	1880,-	156	2	●	●	●	●	●			●
5000 g	15 t	HFT 15T5	2650,-	156	2	●	●	●	●	●			●

● = standard ○ = option



KERN HDB-N



KERN CH



Convenient, economical and always handy

Features

- With the **TÜV certification mark**, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1 (Electrical safety)
- Ideal for rapid control in goods-in and goods-out
- Also essential in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- Hold function:** For easy reading of the weighing result, the display can be „frozen“ in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key

Technical data

HDB-N

- LCD display, digit height 12 mm
- Hook, stainless steel**, can be hinged
- Ready for use: Batteries included, 2x1.5 V AAA, operating time up to 180 h
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C/35 °C

CH

- LCD display, digit height 11 mm
- Hook, stainless steel**
- 2 Tape measure**, extractable, length approx. 100 cm
- Peak load display** (peak hold)
- Ready for use: Batteries included, 9 V block, operating time up to 20 h
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C/35 °C

Accessories

- 3 Tare pan with pan beam**, details see **Accessories**, KERN CH-A01N, € 67,-

STANDARD



OPTION



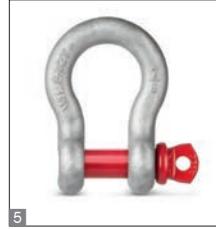
Model	Weighing range [Max] kg	Readout [d] kg	Dimensions housing WxDxH mm	Net weight ca. kg	Price excl. of VAT ex works €	Option	
						DAkkS Calibr. Certificate	DKD KERN €
KERN							
HDB 5K5N	5	5	70x25x105	0,20	60,-	963-127H	72,-
HDB 10K10N	10	10	70x25x105	0,20	60,-	963-128H	88,-
CH 15K20	15	20	90x30x176,5	0,35	71,-	963-128H	88,-
CH 50K50	50	50	90x30x176,5	0,35	76,-	963-128H	88,-
CH 50K100	50	100	90x30x176,5	0,35	66,-	963-128H	88,-



KERN HCB



KERN HCN



The handy scales for higher loads up to 1 t

Features

- With the **TÜV certification mark**, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1 (Electrical safety)
- Ideal for rapid control in goods-in and goods-out
- Also essential in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- Hold function:** For easy reading of the weighing result, the display can be „frozen“ in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Peak load display** (peak hold), measuring frequency 5 Hz

Technical data

- LCD display, digit height 12 mm
- Hole diameter of load support, model with [Max] ≤ 200 kg: approx. 14 mm
[Max] > 200 kg: approx. 16 mm

HCB

- Ready for use: Batteries included, 3×1.5 V AA, operating time up to 300 h
- [Max] ≥ 0,5 t: Reinforced version for heavy loads. Snap link and Hook not included

HCN

- Housing stainless steel, protected against dust and water splashes IP65
- Second display** on the rear of the balance
- Ready for use: Batteries included, 3×1.5 V AA, operating time up to 300 h

Accessories

for models with [Max] ≤ 200 kg

- Snap link (stainless steel) with safety catch, standard, opening approx. 15 mm. Can be retrofitted, KERN HCB-A01, **€ 33,-**
- Hook (stainless steel), standard, opening approx. 25 mm. Can be reordered, KERN HCB-A02, **€ 30,-**

for models with [Max] ≤ 20 kg

- Tare pan with pan beam**, details see **Accessories**, KERN CH-A01N, **€ 67,-**
- Hook with safety lock**, cast steel, galvanised and coated, with stud bolt, non-rotating, suitable for models KERN HCB, HFA, HFC with [Max] ≤ 1 t, KERN YHA-01, **€ 160,-**
- High-strength shackle**, cast steel, hot-dip galvanised, bow shaped with coated stud bolt, suitable for models KERN HCB, HFA, HFC with [Max] ≥ 0,5 t, KERN YSC-03, **€ 50,-**

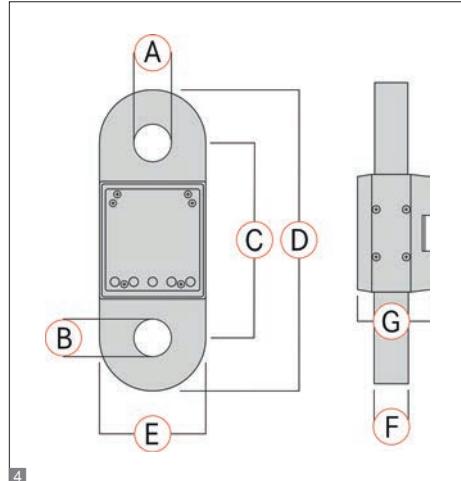
STANDARD

CAL EXT	UNIT	MOVE	IP 65	INOX	BATT	1 DAY	2 YEARS
HCN	HCN						

OPTION

DAkkS
+3 DAYS

Model	Weighing range	Readout	Dimensions housing W×D×H mm	Height with hook and snap link mm	Net weight ca. kg	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	DKD KERN €
KERN	[Max] kg	[d] g						
HCB 20K10	20	10	80×45×150	290	0,60	105,-	963-128H	88,-
HCB 50K20	50	20	80×45×150	290	0,60	115,-	963-128H	88,-
HCB 50K100	50	100	80×45×150	290	0,60	90,-	963-128H	88,-
HCB 99K50	99	50	80×45×150	290	0,60	100,-	963-129H	105,-
HCB 100K200	100	200	80×45×150	290	0,35	110,-	963-129H	105,-
HCB 200K100	200	100	80×45×150	290	0,60	110,-	963-129H	105,-
HCB 200K500	200	500	80×45×150	290	0,60	99,-	963-129H	105,-
HCB 0,5T-3	500	1000	80×42×152	-	0,35	215,-	963-130H	165,-
HCB 1T-3	1000	2000	80×48×150	-	0,55	275,-	963-130H	165,-
Stainless steel								
HCN 50K100IP	50	100	95×50×180	315	0,80	130,-	963-128H	88,-
HCN 100K200IP	100	200	95×50×180	315	0,80	130,-	963-129H	105,-
HCN 200K500IP	200	500	95×50×180	315	0,80	130,-	963-129H	105,-



Compact crane scale with integrated display can also be used for tensile force measurement

Features

- With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- With its high-quality finish, low weight and compact dimensions, this crane scale (tensile force gauge) is an essential device for industrial use, on building sites, in freight centres, ports etc.
- Because of its compact design it is also ideally suited for installation in systems where space is limited, etc.
- Ideally suited for determining weight quickly while loading and unloading
- Peak load display** (peak hold)
- Hold function:** For easy reading of the weighing result, the display can be „frozen“ in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed

Technical data

- Large backlit LCD display, digit height 23 mm
- Material and design of housing/load support, models with
[Max] ≤ 3 t: aluminium/stainless steel bearing
[Max] > 3 t: steel/steel
- Rechargeable battery pack internal, operating time up to 30 h without backlight, charging time approx. 12 h
- Optional battery operation, 3×1.5 V AA not included, operating time up to 40 h
- Precision: 0,2% of [Max]
- Measuring frequency 60 Hz
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C/35 °C

Accessories

- High-strength shackle**, cast steel hot-dip galvanised, bow shaped with coated stud bolt, suitable for models with [Max] ≤ 3 t: KERN YSC-01, € 100,-
[Max] ≥ 5 t: KERN YSC-02, € 210,-
- Hook with safety catch**, cast steel, galvanised and lacquered, with stud bolt, non-revolving, suitable for models with [Max] ≤ 1 t: KERN YHA-01, € 160,-
[Max] = 3 t: KERN YHA-02, € 180,-
[Max] = 5 t: KERN YHA-03, € 210,-
[Max] > 5 t: KERN YHA-04, € 400,-

STANDARD		OPTION				
CAL EXT	UNIT	BATT	ACCU	A MULTI	DMS	1 DAY

3 YEARS WARRANTY

DAkkS
+3 DAYS

Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	Dimensions						Price excl. of VAT ex works €	Option DAkkS Calibr. Certificate		
				Dimensions							DKD KERN	€	
				A = B mm	C mm	D mm	E mm	F mm	G mm				
HFA 600K-1	600	200	2	27	165	255	90	30	55	590,-	963-130H	165,-	
HFA 1T-4	1000	500	2	27	165	255	90	30	55	690,-	963-130H	165,-	
HFA 3T-3	3000	1000	2	27	165	255	90	30	61	750,-	963-132H	500,-	
HFA 5T-3	5000	2000	4	30	165	255	90	30	61	790,-	963-132H	500,-	
HFA 10T-3	10000	5000	6	40	185	275	90	40	71	1050,-	963-133H	700,-	



Compact crane scale for use in harsh environmental conditions or where space is limited, with convenient hand-held terminal

Features

- With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- With its high-quality finish, low weight and compact dimensions, this crane scale (tensile force gauge) is an essential device for industrial use, on building sites, in freight centres, ports etc.
- Because of its compact design it is also ideally suited for installation in systems where space is limited, etc.
- Peak load display** (peak hold)
- Hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the Hold key is pressed
- Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed
- Display device with integrated radio module**, which the user can carry around

with him, thanks to the convenient hand strap [3]. In this way the weighing data can always be read off the display device by the user, even when the user is a long way from the load receptor (force gauge) or under poor lighting conditions. Standard. Range up to 100 m. All functions can be selected. LCD display, digit height 23 mm, rechargeable battery pack internal, standard. Operating time up to 30 h without backlight, charging time approx. 12 h. Can be re-ordered, KERN HFC-A01, **€ 60,-**
Dimensions Housing (display device)
B×T×H 88×64×256 mm
Net weight approx. 0,5 kg

Technical data

- Large backlit LCD display, digit height 23 mm
- Material and design of housing/load support, models with
[Max] ≤ 3 t: aluminium/stainless steel bearing
[Max] > 3 t: steel/steel
- Optional battery operation, 3×1.5 V AA not included, operating time up to 40 h

- Precision: 0,2% of [Max]
- Measuring frequency 60 Hz
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Rechargeable battery pack internal** for load support, operating time up to 30 h, without backlight, charging time approx. 12 h, KERN HFA-A01, **€ 40,-**
- High-strength shackle**, cast steel hot-dip galvanised, bow shaped with coated stud bolt, suitable for models with [Max] ≤ 3t: KERN YSC-01, **€ 100,-**
[Max] ≥ 5t: KERN YSC-02, **€ 210,-**
- Hook with safety catch**, cast steel, galvanised and lacquered, with stud bolts, non-revolving, suitable for models with [Max] ≤ 1t: KERN YHA-01, **€ 160,-**
[Max] = 3t: KERN YHA-02, **€ 180,-**
[Max] = 5t: KERN YHA-03, **€ 210,-**
[Max] > 5t: KERN YHA-04, **€ 400,-**

STANDARD



OPTION



4

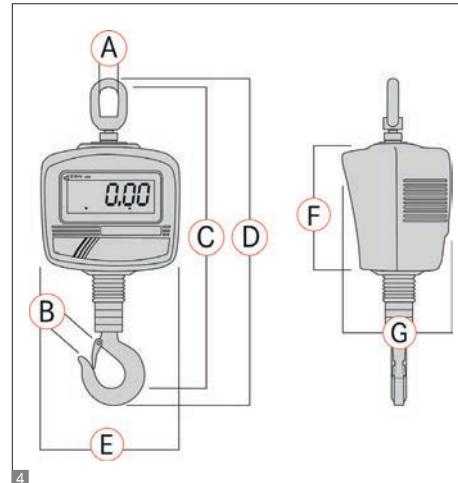
Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	7 Dimensions						Price excl. of VAT ex works €	Option DAKks Calibr. Certificate	
				A = B	C	D	E	F	G		DKD KERN	€
				mm	mm	mm	mm	mm	mm			
HFC 600K-1	600	200	1,8	27	165	255	90	30	55	990,-	963-130H	165,-
HFC 1T-4	1000	500	1,8	27	165	255	90	30	55	990,-	963-130H	165,-
HFC 3T-3	3000	1000	2,2	27	165	255	90	30	61	1050,-	963-132H	500,-
HFC 5T-3	5000	2000	4	30	165	255	90	30	61	1090,-	963-132H	500,-
HFC 10T-3	10000	5000	6	40	185	275	90	40	71	1370,-	963-133H	700,-



The professional alternative up to 600 kg with rear-facing second display

Features

- **1** With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- **2** **Second display** on the rear of the balance
- **High mobility:** thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the Hold key is pressed
- **Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed
- **Hook with safety catch,** revolving
- Shackle and safety catch made of nickel-plated steel
- **3 Radio remote control** standard. Range up to 20 m. All functions can be selected (excl. ON/OFF). WxDxH 48x10x95 mm. Batteries included, 2 x 1,5 V AAA



Technical data

- **Superior display size:** digit height 25 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Dimensions housing WxDxH 162x123x158,5 mm
- Rechargeable battery pack internal, operating time up to 40 h without backlight, charging time approx. 14 h
- Precision: 0,2% of [Max]
- Permissible ambient temperature 0 °C/40 °C

STANDARD							OPTION	
CAL EXT	UNIT	ACCU	A MULTI	DMS	1 DAY	3 YEARS	DAkkS +3 DAYS	

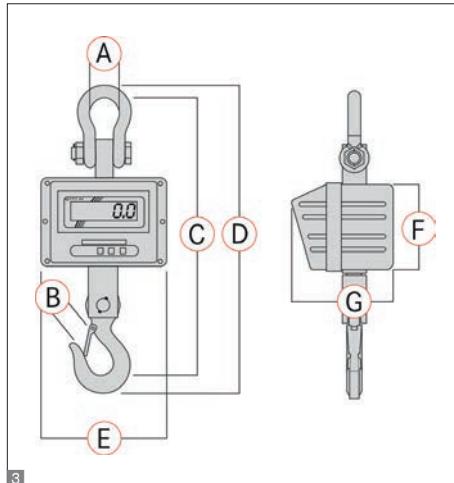
Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	4 Dimensions							Price excl. of VAT ex works €	Option DAkkS Calibr. Certificate	
				A mm	B mm	C mm	D mm	E mm	F mm	G mm		DKD KERN €	€
KERN													
HFB 150K50	150	50	3,2	26	25	358	390	163	158,5	126	355,-	963-129H	105,-
HFB 300K100	300	100	3,2	26	25	358	390	163	158,5	126	385,-	963-129H	105,-
HFB 600K200	600	200	3,2	26	25	358	390	163	158,5	126	385,-	963-130H	165,-



KERN HFM



KERN HFO



Industrial crane scales up to 10 t –
now also with EC type approval [M]

Features

- **1** With the **TÜV certification mark**, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1 (Electrical safety)
 - Professional device for robust applications in production, quality control, logistics etc. Because of its stable construction and robust design, it is ideal for continuous use in industrial environment
 - **High mobility:** thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
 - **Adaptation to unstable environmental conditions** by changing the readability
 - **High resolution readout:** Readout [d] for 5 sec increased by one decimal place at the touch of a key, only for models with EC type approval
 - **Hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the Hold key is pressed
 - **Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed
 - **Hook with safety catch, revolving**
 - **2 Radio remote control** standard. Range up to 20 m. All functions can be selected (excl. ON/OFF). WxDxH 48×10×95 mm.
- Batteries included, 2 × 1,5 V AAA

Technical data

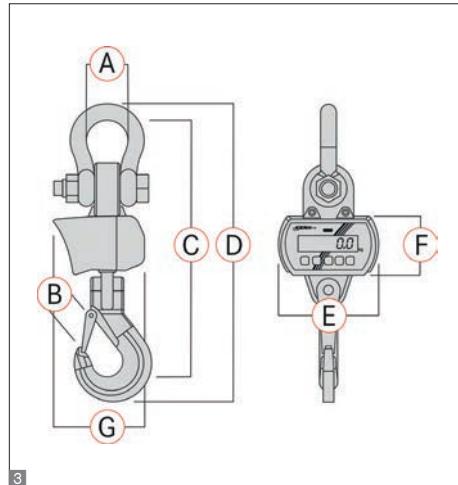
- **Superior display size:** digit height 30 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Rechargeable battery pack internal, operating time up to 50 h without backlight, charging time approx. 14 h
- Precision: 0,2% of [Max]
- Permissible ambient temperature 0 °C/40 °C

STANDARD	CAL EXT	ACCU	MULTI	DMS	1 DAY	3 YEARS WARRANTY	OPTION	DAkkS	FACTORY
							+3 DAYS	DAkkS +3 DAYS	

Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	3 Dimensions							Price excl. of VAT ex works €	Options			
				A	B	C	D	E	F	G		Verification	DAkkS	Calibr.	Certificate
KERN				mm	mm	mm	mm	mm	mm	mm		MII			
HFM 1T0.1	1000	100	13,2	80	40	540	610	270	200	175	720,-	-	-	963-130H	165,-
HFM 3T0.5	3000	500	15,7	75	50	540	610	270	200	175	750,-	-	-	963-132H	500,-
HFM 5T0.5	5000	500	22,3	75	50	650	730	300	230	190	970,-	-	-	963-132H	500,-
HFM 10T1	10000	1000	34	100	60	750	840	300	230	190	1330,-	-	-	963-133H	700,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

HFO 1.5T0.5M	1500	500	15	80	40	540	610	270	200	175	1050,-	950-130H	200,-	963-130H	165,-
HFO 3T1M	3000	1000	16,5	75	50	540	610	270	200	175	1180,-	950-132H	500,-	963-132H	500,-
HFO 6T2M	6000	2000	25	75	50	650	730	300	230	190	1470,-	965-132H	500,-	963-132H	500,-



Robust industrial crane scale up to 10 t,
with EC type approval [M]

Features

- With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- Professional device for robust applications in production, quality control, logistics etc. Because of its stable construction and robust design, it is ideal for continuous use in industrial environment
- High mobility:** thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- Range of tare: 100 % of [Max]
- LED display with Gross/Tare/Net
- Standby function: display automatically switched off after 5 min without a change of load. Automatic activation with the touch of a key
- Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed
- Hook with safety catch,** non-revolving
- Infrared remote control** standard. Range up to 20 m. All functions can be selected. WxDxH 65×24×100 mm. Batteries included, 9 V

Technical data

- Superior display size:** digit height 25 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Rechargeable battery pack internal, operating time up to 150 h without backlight, charging time approx. 12 h
- Precision: 0,1% of [Max]
- Net weight
HTS 1T-4AM: approx. 7 kg
HTS 3T-3AM: approx. 9 kg
HTS 6T-3AM: approx. 12 kg
HTS 10T-3AM: approx. 20 kg
- Permissible ambient temperature
-20 °C/40 °C

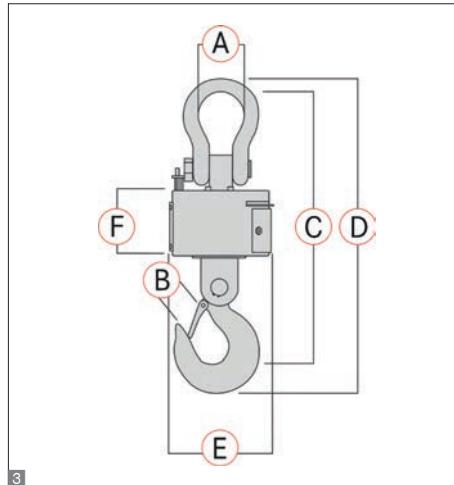
STANDARD				OPTION		FACTORY	
CAL EXT	ACCU	A MULTI	DMS	3 YEARS WARRANTY	DAkkS +3 DAYS	DAkkS +3 DAYS	

Model	Weighing range [Max] kg	Readout [d] = [e] g	Minimal load [Min] kg	Dimensions							Price excl. of VAT ex works €	Options			
				A	B	C	D	E	F	G		Verification	DAkkS Calibr. Certificate	DKD KERN	
KERN				mm	mm	mm	mm	mm	mm	mm		M III KERN	€	€	
HTS 1T-4AM	1500	500	10	33	29	315	359	200	121	181	1190,-	950-130H	200,-	963-130H	165,-
HTS 3T-3AM	3000	1000	20	43	47	347	369	200	121	181	1250,-	950-132H	500,-	963-132H	500,-
HTS 6T-3AM	6000	2000	40	58	55	440	519	200	121	181	1320,-	950-132H	500,-	963-132H	500,-
HTS 10T-3AM	10000	5000	100	83	61	335	628	200	121	181	1460,-	950-133H	700,-	963-133H	700,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



PREMIUM
★★★



Robust industrial crane scale up to 15 t with radio display and RS-232 data interface for transferring weighing results

Features

- With the **TÜV certification mark**, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1 (Electrical safety)
- Professional device for robust applications in production, quality control, logistics etc. Because of its stable construction and robust design, it is ideal for continuous use in industrial environment
- Weighing unit without display**, therefore very robust
- Hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the Hold key is pressed

Technical data

- Separate display with large, backlit LCD display, digit height 22 mm. Dimensions W×D×H 175×50×85 mm, incl. Antenna W×D×H 130×650×130 mm
- Precision: 0,2% of [Max]
- Permissible ambient temperature 0 °C/40 °C

Accessories

- Weighing unit: **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 8 h, KERN VFB-A02, **€ 40,-**
- Display device: **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 8 h, KERN GAB-A04, **€ 40,-**
- Interface cable RS-232**, to connect the display device to a printer, PC, etc., cable length approx. 1,5 m, KERN KFF-A01, **€ 46,-**
- Further details, plenty of further accessories and suitable printers see **Accessories**

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d]	Net weight approx. kg	3 Dimensions						Price excl. of VAT ex works €	Option DAkks Calibr. Certificate		
				A mm	B mm	C mm	D mm	E mm	F mm		DAKKS	KERN	€
KERN													
HFT 3T0.5	3000	500	28	73	39	545	650	270	145	1270,-	963-132H	500,-	
HFT 5T1	5000	1000	45	76	51	635	760	270	147	1510,-	963-132H	500,-	
HFT 10T2	10000	2000	53	92	61	735	840	270	167	1880,-	963-133H	700,-	
HFT 15T5	15000	5000	73	99	61	842	950	320	160	2650,-	963-133H*	700,-	

*Calibration up to [Max] = 12 t

Special equipment: Scales to meet Pre-packaging legislation

Pre-packaging legislation (FPVO)

This is anchored in the EC pre-packaging directive 76/211/EEC and serves as consumer protection within the framework of weights and measures laws when selling pre-packaged products commercially. It governs in detail the permitted tolerances (deviations) from the filling quantity stated on the sales label, as well as the quality of the verified balances being used for checking samples.

Pre-packaged products, which are produced and tested in accordance with pre-packaging legislation, carry the € symbol on their label.

Choosing the right verified checkweigher depends, on one hand, on the weighing range required and the largest permitted verification value in relation to the nominal quantity of the pre-packaged goods.

Nominal contents Q_n of the pre-packed goods	largest permitted Verification Value [e]
≤ 10 g (ml)	0,1 g
from 10 g (ml) to ≤ 50 g (ml)	0,2 g
from 50 g (ml) to ≤ 150 g (ml)	0,5 g
from 150 g (ml) to ≤ 500 g (ml)	1,0 g
from 500 g (ml) to ≤ 2,5 kg (l)	2,0 g
from 2,5 kg (l) and more	5,0 g
from 10 kg (l) to ≤ 15 kg (l)	10 g
from 15 kg (l) to ≤ 25 kg (l)	20 g
from 25 kg (l) to ≤ 100 kg (l)	50 g

Volume values in ml or l are calculated using the weight and density of the liquid.

Order example:

The item to be checked is a pre-packaged product with a filling quantity of 250 g and an average tare value of 100 g. In accordance with the table above, a filling quantity of 250 g requires a checkweigher with a verification value [e] of maximum 1 g.

The right KERN product is either the **KERN FKTF 3K0.5LM** or the **FKTF 6K1LM**

Calibration periods for checkweighers: These are usually 1 year and are therefore shorter than the general re-verification periods in many European countries.



Sample testing of a pre-packaged item with an average tare value, e.g. the relative constant packaging weight is entered as a fixed value



Sample testing of a pre-packaged item with fluctuating packaging weight, such as glass containers, e.g. the tare weight is entered individually for each sample.



Sample testing of a pre-packaged item which is empty (destructive analysis)



Sven Göggel

Product specialist Scales to meet
Pre-packaging legislation

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goeggel@kern-sohn.com

Quick-Finder Scales to meet Pre-packaging legislation

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	BATT
					For an explanation on the pictos, see the front flap					
0,5 g	3 kg	FKTF 3K0.5LM	1060,-	158	1	○	●	●	●	●
1 g	6 kg	FKTF 6K1LM	1050,-	158	1	○	●	●	●	●
2 g	12 kg	FKTF 12K2LM	1050,-	158	1	○	●	●	●	●
5 g	30 kg	FKTF 30K5LM	1050,-	158	1	○	●	●	●	●
10 g	60 kg	FKTF 60K10LM	1050,-	158	1	○	●	●	●	●

● = standard ○ = option



Checkweigher with touch screen operation for sampling tests in accordance with certified pre-packaging legislation and controlling fill quantities in the production process

Modes

- ① Weighing
- ② Checkweighing function in accordance with pre-packaging legislation
- ③ Controlling fill quantities

Functions

- Capacity display with ①
- Date/time, with ①, ②, ③
- Tare deduction automatic, with ②
- 400 item memories for master data, such as limit values, tare weights, items, machine, user as well as upper limit (UL), lower limit (LL), lower limit 1 (LL 1) and lower limit 2 (LL 2) ②, ③
- Sample testing in accordance with pre-packaging legislation with average tare value ③
- Sample testing in accordance with pre-packaging legislation with fluctuating tare ③
- Sample testing in accordance with pre-packaging legislation with fluctuating tare ②, ③
- Testing in accordance with pre-packaging legislation with an empty item (destructive analysis) ③
- Daily statistics from 10 sets of measurements ③
- Weekly statistics from 49 sets of measurements ③

Features

- **Touchscreen bench scale** with special software for testing, in accordance with weights and measures regulations, that the permitted error limits (minus deviations) have been observed, in accordance with pre-packaging legislation, and for production control and monitoring when filling pre-packaged items to a target weight
- **The verifiable KERN FKTF** fulfills all the regulations of pre-packaging legislation. It has EC type approval which fulfils verification requirements, and which covers the special software for pre-packing legislation
- **The special software for pre-packaging legislation in the KERN FKTF has two functions:**
 - a) When selling pre-packaged products, filling tolerances are regulated in verification terms, in the interests of consumer protection. Here the software supports compliance with the verification regulations of the pre-packaging legislation during certified sampling tests using the automatically generated largest permitted negative deviation compared with a given target weight (LL 2)
 - b) In the area of food stuff production, when setting and adjusting the production facility for filling pre-packaged goods to a target weight, the software will automatically display the lower limit value (LL 1) below which the item is not permitted.
- **Statistical function** in the form of daily or weekly records, also with date/time, machine number and user statement. Graphic display is also possible
- **Password protection** for secure manipulation of data which has been stored and collected

protection. Here the software supports compliance with the verification regulations of the pre-packaging legislation during certified sampling tests using the automatically generated largest permitted negative deviation compared with a given target weight (LL 2)

b) In the area of food stuff production, when setting and adjusting the production facility for filling pre-packaged goods to a target weight, the software will automatically display the lower limit value (LL 1) below which the item is not permitted.

• **Statistical function** in the form of daily or weekly records, also with date/time, machine number and user statement. Graphic display is also possible

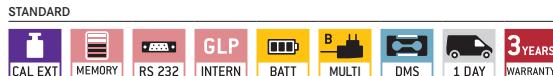
• **Password protection** for secure manipulation of data which has been stored and collected

Technical data

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127x74 mm)
- Dimensions weighing surface, stainless steel, WxD 340x240 mm
- Dimensions housing WxDxH 350x390x120 mm
- Optional battery operation, 6x1.5 V Size C not included, operating time up to 15 h
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, can be re-ordered, scope of delivery: 5 items, KERN FKB-A02S05, € 40,-
- **Matrix needle printer**, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013, € 350,-
- **Suitable printers** see Accessories



Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Minimum nominal quantity g	Price excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
							M	KERN	KERN	
KERN										
FKTF 3K0.5LM	3	0,5	0,5	10	50	1050,-	965-227	55,-	963-127	72,-
FKTF 6K1LM	6	1	1	20	150	1050,-	965-228	55,-	963-128	88,-
FKTF 12K2LM	12	2	2	40	500	1050,-	965-228	55,-	963-128	88,-
FKTF 30K5LM	30	5	5	100	2500	1050,-	965-228	55,-	963-128	88,-
FKTF 60K10LM	60	10	10	200	10000	1050,-	965-229	93,-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Special equipment: ATEX scales

ATEX – Safe weighing in potentially explosive atmospheres!

ATEX is derived from the French words for explosive atmosphere (**A**Tmosphère **E**Xplosible) and is a synonym for EU guidelines, for the quality and the use of equipment in hazardous industrial environments.

ATEX balances were developed specifically for those areas where there is explosion danger, e.g. through handling of flammable substances, which are present in high concentrations in the form of gas, mist, vapour or dust.

Typical fields of application are to be found, for example, in the crude oil processing industry, e.g. in all kinds of refineries. But also in the pharmaceutical or chemical industries, where you are processing oils, alcohols or Benzenes, in the manufacture of paints and lacquers, as well as in the cosmetics industry in the manufacture of alcohol-based cosmetics.

Note: Power supply to the ATEX scales is from a power source outside the explosion-proof area.

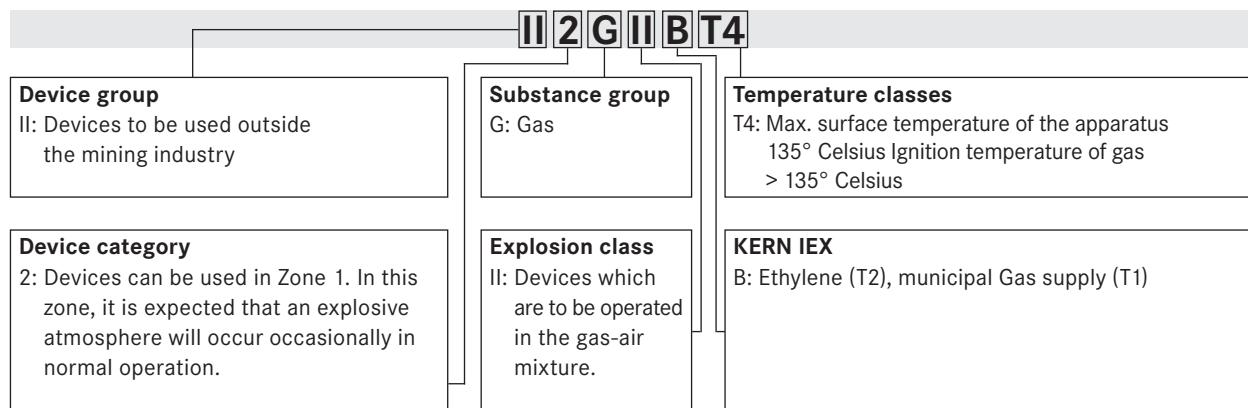


Taras Mikitisin
Product specialist ATEX scales
Tel. +49 [0] 7433 9933-143
Fax +49 [0] 7433 9933-29143
mikitisin@kern-sohn.com

ATEX balances are divided into different protection classes, depending on the level of danger.

The KERN ATEX balances are permitted for the following protection classes:

Model KERN IEX: **II 2 G II B T4**



Quick-Finder ATEX scales

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT €	Page	DAYS	M	CAL EXT	PCS	TOL	IP	Ex	INOX
For an explanation on the pictos, see the front flap												
0,2 g	6 kg	IEX 6K-4EU	2200,-	160	21	●	●	●	●	●	●	●
0,2 g	6 kg	IEX 6K-4UK	2200,-	160	21	●	●	●	●	●	●	●
0,5 g	15 kg	IEX 10K-4EU	2200,-	160	21	●	●	●	●	●	●	●
0,5 g	15 kg	IEX 10K-4UK	2200,-	160	21	●	●	●	●	●	●	●
1 g	30 kg	IEX 30K-3EU	2500,-	160	21	●	●	●	●	●	●	●
1 g	30 kg	IEX 30K-3UK	2500,-	160	21	●	●	●	●	●	●	●
2 g	6 kg	IEX 6K-3MEU	1950,-	160	21	○	●	●	●	●	●	●
2 g	6 kg	IEX 6K-3MUK	2150,-	160	21	○	●	●	●	●	●	●
2 g	60 kg	IEX 60K-3EU	2500,-	160	21	●	●	●	●	●	●	●
2 g	60 kg	IEX 60K-3UK	2500,-	160	21	●	●	●	●	●	●	●
5 g	15 kg	IEX 10K-3MEU	1950,-	160	21	○	●	●	●	●	●	●
5 g	15 kg	IEX 10K-3MUK	2150,-	160	21	○	●	●	●	●	●	●
5 g	150 kg	IEX 100K-3EU	3200,-	160	21	●	●	●	●	●	●	●
5 g	150 kg	IEX 100K-3UK	3200,-	160	21	●	●	●	●	●	●	●
10 g	30 kg	IEX 30K-2MEU	2200,-	160	21	○	●	●	●	●	●	●
10 g	30 kg	IEX 30K-2MUK	2450,-	160	21	○	●	●	●	●	●	●
20 g	60 kg	IEX 60K-2MEU	2200,-	160	21	○	●	●	●	●	●	●
20 g	60 kg	IEX 60K-2MUK	2450,-	160	21	○	●	●	●	●	●	●
50 g	150 kg	IEX 100K-1MEU	2950,-	160	21	○	●	●	●	●	●	●
50 g	150 kg	IEX 100K-1MUK	3150,-	160	21	○	●	●	●	●	●	●



3 Power supply using power supply outside the explosion-proof area using a 20 m long cable with **4** screw coupling to fix the display device. Power supply included with delivery. Please indicate the type required at purchase, e.g.:

European power supply: IEX 6K-3MEU
UK power supply: IEX 6K-3MUK

Platform scale with ATEX approval in explosion class II B, with EC type approval [M] – now also as high resolution version with high-resolution display

Features

- Class of protection II 2G IIB T4
- **1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **2 Display device:** stainless steel, protection against dust and water splashes IP67
- The range has European ATEX approval:
II 2G IIB T4 for use in hazardous industrial environments Zone 1, where there is explosion danger, e.g. through handling of flammable substances, which are present in high concentrations in the form of gas, mist, vapour
- Particularly suitable for:
Paint industry, petrochemical industry, chemical industry, cosmetics industry, plastics industry

STANDARD	CAL EXT	PCS	-✓+	TOL	IP 65	IP 67	ATEX	INOX	DMS	21 DAYS	3 YEARS WARRANTY	OPTION DAKKS +3 DAYS	FACTORY 230 V +3 DAYS
	1	2		2								3	

Technical data

- Backlit LCD display, digit height 18 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A** 300×300×70 mm
 - B** 500×400×105 mm
- Dimensions of display device W×D×H
170×172×76 mm (incl. benchtop stand:
W×D×H 226×250×120 mm)
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature
-10 °C/40 °C

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification	DAkkS	Calibr. Certificate	
KERN								M III	KERN	€	
IEX 6K-4EU	6	0,2	-	-	10	A	2200,-	-	-	963-128	88,-
IEX 6K-4UK	6	0,2	-	-	10	A	2200,-	-	-	963-128	88,-
IEX 10K-4EU	15	0,5	-	-	10	A	2200,-	-	-	963-128	88,-
IEX 10K-4UK	15	0,5	-	-	10	A	2200,-	-	-	963-128	88,-
IEX 30K-3EU	30	1	-	-	19	B	2500,-	-	-	963-128	88,-
IEX 30K-3UK	30	1	-	-	19	B	2500,-	-	-	963-128	88,-
IEX 60K-3EU	60	2	-	-	19	B	2500,-	-	-	963-129	105,-
IEX 60K-3UK	60	2	-	-	19	B	2500,-	-	-	963-129	105,-
IEX 100K-3EU	150	5	-	-	19	B	3200,-	-	-	963-129	105,-
IEX 100K-3UK	150	5	-	-	19	B	3200,-	-	-	963-129	105,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

IEX 6K-3MEU	6	2	2	40	10	A	1950,-	965-228	55,-	963-128	88,-
IEX 6K-3MUK	6	2	2	40	10	A	2150,-	965-228	55,-	963-128	88,-
IEX 10K-3MEU	15	5	5	100	10	A	1950,-	965-228	55,-	963-128	88,-
IEX 10K-3MUK	15	5	5	100	10	A	2150,-	965-228	55,-	963-128	88,-
IEX 30K-2MEU	30	10	10	200	19	B	2200,-	965-228	55,-	963-128	88,-
IEX 30K-2MUK	30	10	10	200	19	B	2450,-	965-228	55,-	963-128	88,-
IEX 60K-2MEU	60	20	20	400	19	B	2200,-	965-229	93,-	963-129	105,-
IEX 60K-2MUK	60	20	20	400	19	B	2450,-	965-229	93,-	963-129	105,-
IEX 100K-1MUK	150	50	50	1000	19	B	3150,-	965-229	93,-	963-129	105,-
IEX 100K-1MEU	150	50	50	1000	19	B	2950,-	965-229	93,-	963-129	105,-

NEW New Model



“ **S**pecially for those areas in your business where you are dealing with substances which are highly flammable, combustible or explosive, KERN has ATEX balances its range. They are produced with the utmost care in accordance with internationally applicable safety standards and for this reason they can be integrated seamlessly into your safety plan.

*Taras Mikitisin,
Product specialist ATEX scales*

Accessories

Please see the relevant areas the website for details on the extensive accessories for touchscreen balances - KERN AET · ILT · KEN · KET · PET

- Printers



- Second display



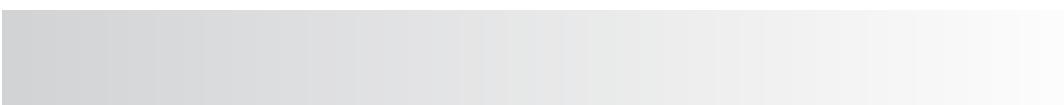
- Transport case



- Ioniser



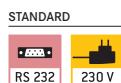
- Stands



- Adapter



Important note for printer orders: Please state your balance model when ordering, so that the printer can be preconfigured in the factory to suit your balance.



KERN 911-013

Matrix needle printer

For printing weighing results on normal paper, which is ideal for long-term archiving.

Technical data

- Needle print
- Speed: 1,8 line/sec
- Max. 40 characters per line
- Paper stripes: 57 mm wide
- Operation via mains adapter 230V/50Hz (standard EU), as standard

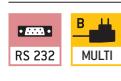
- Dimensions housing: W×D×H 100×180×106 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN 911-013, **€ 350,-**

Accessories

- Paper rolls (10 pcs.), KERN 911-013-010, **€ 35,-**
- Universal mains adapter, standard EU/GB/US, KERN ABS-A01, **€ 80,-**

STANDARD



KERN YKN-01

Matrix needle printer

For printing weighing results on normal paper, which is ideal for long-term archiving.

Technical data

- Needle print
- Speed: 1 line/sec
- Max. 16 characters per line
- Paper stripes: 44 mm wide
- Operation via mains adapter 230V/50Hz, as standard

- Dimensions housing: W×D×H 158×106×40 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKN-01, **€ 225,-**

Accessories

- Paper rolls (5 pcs.), KERN YKN-A01, **€ 35,-**

STANDARD



KERN YKB-01N

Thermal printer

For printing weighing results, recipes, quantities etc. or for GLP record keeping of balance adjustment with date and time print. Language versions: DE, GB, FR.

Technical data

- Thermal print
- Speed: 0,75 lines/sec
- Max. 40 characters per line
- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz, Standard EURO/UK/US, as standard

- Dimensions housing: W×D×H 165×140×50 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKB-01N, **€ 290,-**

Accessories

- Paper rolls (10 pcs.), KERN YKB-A10, **€ 55,-**

Individual header data:

For printers **KERN 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)** the free software **KERN SHM-01** (see www.kern-sohn.com) can be used to print 4 header lines on the printout (see marking on balance). Compatible models: KERN 440, DE, FCB, FKB-A, PCB, PCD.

↓ Price reduction

STANDARD

**KERN YKS-01**

Thermal statistics printer

For printing weighing results, recipes etc. or for GLP record keeping of weighing data with date and time print (not in combination with KERN counting scales or KERN MLS, MLB moisture analysers).

Numerator; with statistical functions such as count and total of all measurements, minimum and maximum values of the main unit, range (Max-Min), average value, standard deviation, available units: mg, g, kg, pcs. Language versions: DE, GB, FR.

- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz, Standard EURO/UK/US, as standard
- Dimensions housing: W×D×H 165×140×50 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKS-01, **€ 390,-**

Accessories

Paper rolls (10 pcs.), KERN YKB-A10, **€ 55,-**

STANDARD

**KERN YKE-01**

Thermal label printer

Affordable universal label printer to print out weighing results on thermal labels, compatible with all KERN 2017 balances. ASCII-capable.

Technical data

- Thermal print
- Speed: 22 mm/s
- Max. 82 characters per line
- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz, Standard EURO/UK/US, as standard

- Dimensions housing: W×D×H 150×155×65 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKE-01, **€ 590,-**

Accessories

- Paper roll (1 pc.), Dimensions labels: W×D
51×30 mm, 290 labels: KERN YKE-A01, **€ 30,-**
73×61 mm, 140 labels: KERN YKE-A02, **€ 30,-**
105×48 mm, 65 labels: KERN YKE-A03, **€ 30,-**

STANDARD

**KERN YKC-01***

Bluetooth thermal printer

For printing weighing results, recipes, etc. or for GLP record keeping of weighing data. Suitable for wireless connection to compatible, Bluetooth-enabled balances (with KERN: DLT-N or all models with RS-232 data interface in combination with RS-232/Bluetooth adapter KERN YKI-02), dynamometers, etc.

Technical data

- Thermal print
- Speed: 60 mm/sec
- Max. 42 characters per line
- Paper stripes: 57 mm wide

- Operation via mains adapter 230V/50Hz, Standard EU, as standard
- Dimensions housing: W×D×H 85×113×57 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKC-01, **€ 690,-**

Accessories

Paper rolls (10 pcs.), KERN YKC-A01, **€ 35,-**

! *ONLY WHILE STOCKS LAST !

Interface cable for RS-232

For direct connection to a printer or PC, cable length approx. 1.5 m. The interface parameters can be set using the balance keypad.

Note:

The interface cable is **free of charge** if you purchase balance, printer or Ethernet-/WLAN-/Bluetooth adapter together.

Printer, ...	►	PC, YKI-01/-02/-03	911-013, YKE-01, YKB-01N, YKN-01	YKS-01	Price cable excl. of VAT ex works €
Balance	▼	KERN	KERN	KERN	
440, 572, 573, ALJ-AM, ALS-A, ALT-B, CDS, CKE, DE-D, DS, EMB-V, FCB, FKB, FKB-A, FKT, FKTF, IKT, KB, PCB, PCD, PKS, PKT, PLJ-A, PLJ-F, PLS-A, PLS-F, PLE, PLT			572-926		
DBS, DLB, DLT, DAB			572-926	-	
BFA, BFB, BFN, GAB-N, GAB-P, GAT, IFB, KFB-TAM, KFN-TAM, NBB, NFB, NFN, PFB, SFB, UFA, UFB, UFC, UFN			CFS-A01		
BFS, CCS, CFS, CPB, EWJ, KFG-TM, KFS-TM, KFT-TM, IFG, IFS (from year of production 2015), IFT, PFB-M, RPB			CFS-A01	-	
YKU-01		CFS-A01	-	-	46,-
EG-N, EW-N			474-926	-	
PEJ, PES (printer connection unidirectional)		-		474-926	
PEJ, PES (printer/PC connection bidirectional)			MLB-A05		
ADB, AEJ-CM, AEJ-NM, AES-C, AES-N, AET, CCP, CCT (for connecting the peripheral device to the PLJ-C reference balance), ILJ-C, ILS-C, ILT, PET, PLJ-C, PLJ-G, PNJ, PNS			MLB-A05		
KFS-T, MLS-D		MLB-A05	-		
BAN, BKN, BXS, IXS, KXS-TM, SXS		KXS-A04			40,-
HFT			KFF-A01		46,-
ABT-N, PBJ, PBS			770-926		46,-
ABJ-NM, ABS-N			ACS-A01		75,-
CCT (for connecting the peripheral device to the ILT bulk scale ILT)			KET-A09		120,-

KERN SCD-4.0

Balance Connection Software – Flexible recording or transfer of measurements, particularly to Microsoft® Excel or Access

Features

- For operating systems Windows XP, Vista, 7, 8, 8.1, 10
- Supports balances measuring devices with RS 232, RS 485, Bluetooth, LAN or WLAN network (TCP/UDP/IP).
- Highly flexible formatting of the output (any order, formatting and rounding), particularly recording of date and time for every value transferred, if required.
- Any number of devices/interfaces can be connected, as well as simultaneous and synchronised recording of several balances
- Key-activated or time-controlled interroga-

tion of measurements or trigger of device functions, also for continuous recording.

- The interface protocols for KERN balances are already predefined (standard configuration).
- Compatible interface cable included when you order a KERN balance at the same time
- Many different transfer and recording options:
 - Microsoft® Excel/Access/Word in the foreground or background
 - Other Windows applications (through key simulation), e.g. shipping software or ERP system (SAP, Sage, etc.)
 - File recording (e.g. as text or CSV file)
 - Print out on text or label printer
 - ODBC/SQL databases such as SQL Server or MySQL
 - Transfer to HTTP Webservices/Web forms

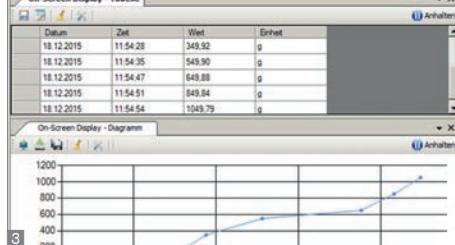
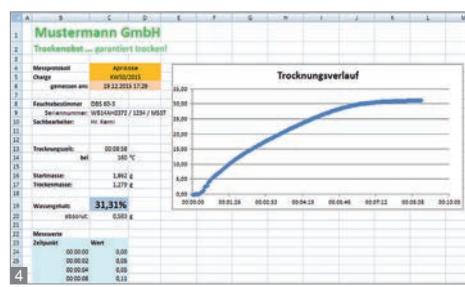
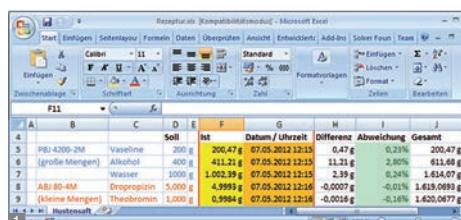
- Screen output such as large display, line chart (drying curve for moisture analyzer), histogram, etc.

Benefits

- Typing errors during e.g. manual transfer are avoided
- Automatic recording, e.g. for long-term tests
- GLP-compliant lab software

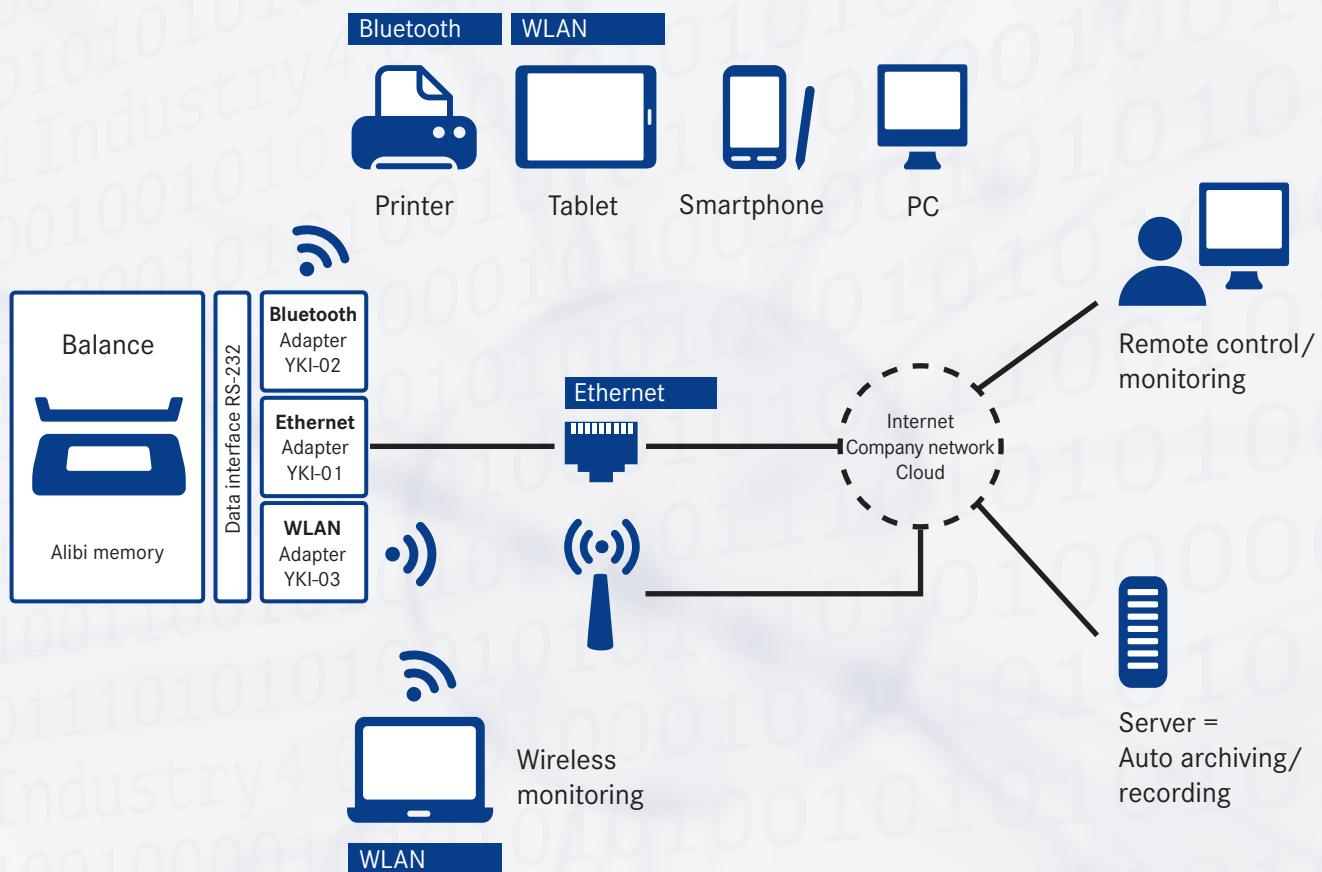
KERN SCD-4.0, € 150,-

Do you have questions about our software? Your personal KERN customer consultant Marcel Turino will be pleased to assist you: turino@kern-sohn.com



- 1 Easy transfer and editing of measuring results e.g. in Microsoft® Excel
- 2 Full overview of devices, outputs, queries, interfaces, etc. shown on the output window immediately.
- 3 Different on-screen displays with export function
- 4 Measurement report with line chart showing a moisture analysis

With products from KERN you are ready to face the challenges of Industry 4.0



We will help to combine industrial production with the latest information and communication technology, with the aim of improving quality, reducing costs and using time and resources more efficiently so that you are able to react to future requirements in a more flexible manner. You will benefit from our uniform data protocol combined with our BalanceConnection 4.0 data software, for details please see page 165.

STANDARD



KERN YKI-01

RS-232 / Ethernet adapter

Adapter to connect balances, force measuring devices etc. with an RS-232 interface 2 to an IP-based Ethernet network 1. The adapter allows direct integration of measuring devices into most company networks, with automatic configuration using DHCP or statistical IP allocation. You can access the current measuring data at any time from within the whole network, without having to use additional cables. The adapter supports a wide range of configurational options using the enclosed administration software or by the web interface. The driver delivered with the goods allows you to access the measuring device with existing, non-network-compatible applications using a virtual COM port. Compatible with **KERN BalanceConnection software**. DIN track mount 3 or free-standing..

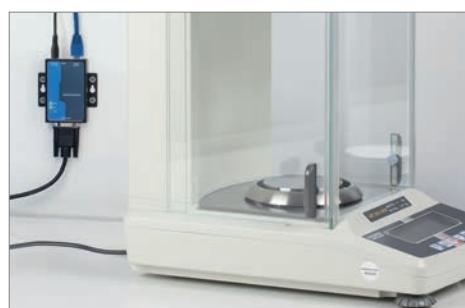
Scope of delivery: RS-232 Ethernet adapter with 1x Port RS-232 1, mains adapter 4, CD (driver, software, operating instructions), adhesive feet, (interface cable see page 165).

KERN YKI-01, € 290,-

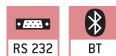
Note: To connect to your network, you will need information from your network administrator. We recommend discussing connecting your device into your network with the administrator before you place your order.

If you order a KERN balance at the same time, then the interface cable is **free of charge** (please specify balance model).

Price reduction



STANDARD

**KERN YKI-02****RS-232/Bluetooth-Adapter**

dapter for the wireless connection of balances, force measuring devices etc. with an RS-232 interface to Bluetooth devices, such as Bluetooth printers (e.g. KERN YKC-01), tablets, laptops, Smartphones etc. In this way, where there is a physical separation or a large distance between the devices, the weighing data from one or several balances can be easily sent without cable and printed on a Bluetooth printer or transferred to a Bluetooth device (you would need the relevant software on the Bluetooth device, not included with the delivery). The compact adapter with its attractive design can usually be connected directly to the balance 1, e.g. an additional interface cable would not be necessary. Bluetooth adapter will be powered by the balance (if compatible) or with the mains adapter which is supplied as standard 2. Range up to 100 m outside, depending on obstacles, such as, walls, the sensitivity and type of antenna of the receiver. Intersections of sending and receiving lines using the DCE/DTE switch 3. Compatible with **KERN Software Balance Connection**.

Scope of delivery: RS-232/Bluetooth adapter, mains adapter (EU/UK/USA/AUS/CH) 2, USB-A to Mini-USB-B cable 4, gender changer 5, driver CD, (interface cable see page 165).

KERN YKI-02, € 190,-



Note: To connect to your network, you will need information from your network administrator. We recommend discussing connecting your device into your network with the administrator before you place your order. If you order a KERN balance at the same time, then the interface cable is **free of charge** (please specify balance model).



STANDARD

**KERN YKI-03****RS-232/WLAN-Adapter**

High-quality adapter for the wireless connection of balances, force measuring devices etc. with RS-232 interface to WLAN-enabled devices, such as tablets, laptops, Smartphones etc. In this way, where there is a physical separation or a large distance between the devices, the weighing data from one or several balances can be easily transferred without cable to a WLAN device or a network (relevant software on the WLAN device needed, not included in delivery). The adapter allows direct integration of measurement devices into most company networks, with automatic configuration using DHCP or statistical IP allocation. You can access the current measuring data at any time from within the whole network, without having to use additional cables. The adapter supports a wide range of configurational options using the enclosed administration software or by the web interface. The driver delivered with the goods allows you to access the measurement device with existing, non-network-compatible applications using a virtual COM port.

Compatible with **KERN Balance Connection Software**.

The adapter also has an Ethernet interface for a wired connection to an IP-based Ethernet network 1. Thanks to the screw terminals 2, the power connection can be implemented individually using individual wires or using the robust, screw-in power connector 3. Large input voltage range from 12 V–48 V. Suitable for wall mounting and DIN track mount 4 or free-standing.

Scope of delivery: RS-232/WLAN adapter, mains adapter, network cable (1 m), driver CD, (interface cable see page 165).

KERN YKI-03, € 750,-

Price reduction

**KERN YKD-A02**

Large display
with superior display size, digit height 3" (76 mm). Luminescent, red LED display for easy reading of weight, even from a distance or under poor lighting conditions. 6 segments, mains connection as standard (230 V, EU/GB), connection using RS-232 data interface, dimensions W×D×H 541×55×180 mm.

Suitable for series IFB, BFB, NFB, UFA, UFB,
KERN YKD-A02, **€ 220,-**

**KERN CFS-A03**

Signal lamp

Signal lamp for visual support of weighing with tolerance range. Three-colour LED, red, green, yellow. Power supply via balance using RS-232. Total dimensions W×D×H 100×180×300 mm

Suitable for series BFB, BFN, CPB-N, GAB-N, GAB-P, IFB, KFB-TM, KFN-TM (from 2017), NBB, NFB, NFN, SFB, UFA, UFB, UFC, UFN,

KERN CFS-A03, **€ 250,-**

**KERN CFS-A04**

2nd RS-232 data interface
separate Y cable, e.g. for simultaneous connection of a printer, signal lamp etc.
Suitable for series BFB, CPB-N, CFS, GAB-N, GAB-P, IFB, KFB-TM, NFB, UFA, UFB, SFB, BAN, UFN, NFN

KERN CFS-A04, **€ 35,-**

**KERN AFH 12**

RS-232/USB adapter
to connect peripheral devices with USB connection, fits on all balances and measuring instruments with RS-232 port.

Scope of delivery:
Converter cable, CD with driver,

KERN AFH 12, **€ 85,-**

**KERN AFH 14**

2 × RS-232/USB adapter
to connect peripheral devices with USB connection, fits on all balances and measuring instruments with RS-232 port.
Scope of delivery:
Converter cable, CD with driver,

KERN AFH 14, **€ 114,-**

**KERN YKA-02**

Power supply adapter set
from standard EU to GB/US/AUS/CH etc.
Four pieces. Ideal for devices with Class II protection (not earthed). Ideal for Euro moulded plug,

KERN YKA-02, **€ 31,-**

**KERN YKP-01**

Stand (tripodal)
stable and robust, to elevate display device, stainless steel, height-adjustable, large three-legged adjustable foot, height of stand approx. 750–1000 mm, Factory Option.

Suitable for series SFB (from weighing plate size W×D 500×400 mm), BFA, BBB, BFN, BBN, KEN-TM, UFN, NFN,

KERN YKP-01, **€ 370,-**

**KERN YKP-02**

Stand (tripodal)
stable and robust, to elevate display device, stainless steel, height-adjustable, large three-legged adjustable foot, height of stand approx. 750–1000 mm, Factory Option.

Suitable for series SFE, IFS, IFB, BFB, BXS, BFS, BFA, BBB, BBN, UFA, UFB, UFC, NFB, NBB, KFE-TM, KXG-TM, KXS-TM, KEN-TM,

KERN YKP-02, **€ 210,-**



KERN RFS-A02

Tare pan

Made of stainless steel, which makes cleaning easy and hygienic. Ideal for weighing loose screws, small parts, fruit, vegetables, cheese, etc.

- W×D×H 370×240×20 mm

• Net weight approx. 524 g

KERN RFS-A02, € 55,-



KERN CH-A01N

Tare pan with pan beam

Made of stainless steel. Ideal for weighing loose small parts, fruit, vegetables etc. Max. load 30 kg. Removable tare pan which makes cleaning easy and hygienic. Suitable for models KERN CH 15K20, HCB 20K10, HCN 20K50IP, HDB-N.

- Dimensions: Tare pan Ø/H 273×40 mm
- Pan beam: W×D×H 320×273×300 mm
- Total dimensions: W×D×H 320×273×340 mm
- Total net weight approx. 1000 g

KERN CH-A01N, € 67,-



KERN RFB-A02

Sturdy transport case

for the safe transport and storage of series WTB-N, RFB, lockable. Inner dimensions W×D×H 330×290×117 mm, total dimensions W×D×H 510×360×220 mm, (scale not included with delivery!)

KERN RFB-A02, € 110,-

! ONLY WHILE STOCKS LAST !



KERN MPS-A07

Sturdy transport case

for the safe transport and storage of series EOE, EOB scales with weighing plate size ≤ 315×305mm without stand, inner dimensions W×D×H 425×315×65 mm, net weight approx. 2,2 kg, (scale not included with delivery!)

KERN MPS-A07, € 115,-



KERN ABS-A08

Protective dust cover

For protection from dust and light. Suitable for all KERN analytical balances and precision balances with glass draught shield, except KERN ADB, AET 100-5AM, AET 200-5DAM

KERN ABS-A08, € 30,-



KERN YDB-03

Universal density set

Universal density set for precise and convenient density determination of liquids and solids $\leq/\geq 1$. Suitable for all KERN analytical balances.

of DIN EN ISO 1183-1 (test methods for the determination of density of non-foamed plastics)

Scope of delivery: Beaker ($\varnothing \times H$ 84×113 mm), thermometer, sample holder, adapter, equalising weights, volume plummet (stainless steel, 20 g), universal submersible basket for solid bodies which float and sink. The wire of the submersible basket has a diameter of 0.5 mm and therefore complies with the requirements

KERN YDB-03, € 390,-

Optional:

Density determination of the volume plummet, DAkkS calibration certificate with all data relating to the density and volume, KERN 962-335V, € 143,-

! Price reduction



KERN YBI-01A

Ioniser to neutralise electrostatic charge

Weighing items which are non-conductive, such as plastic, china, glass, etc often carry electrostatic charge. The electromagnetic field which then occurs between the items and the balance can cause the weighing result to be distorted by up to a gramme.

Therefore, when weighing in milligrammes or even smaller increments, we recommend neutralising the electrostatic charge with the KERN AC-Korona discharge ioniser.

- Neutralisation $\pm 20\text{V}$
- Discharge of ozone $0,04 \text{ ppm/h}$
- Dimensions WxDxH $97 \times 53 \times 31 \text{ mm}$, WxDxH $190 \times 60 \times 110 \text{ mm}$ incl. mount
- Net weight approx. $0,11 \text{ kg}$
approx. $0,55 \text{ kg}$ incl. mount
- Mains connection $110-230\text{V}/50\text{Hz}$,
AC power supply, 12V DC output

KERN YBI-01A, € 820,-



KERN YBI-01A

Ioniser to neutralise electrostatic charge

Goods to be weighed which are non-conductive, such as plastic, china, glass, etc often carry electrostatic charge. The electromagnetic field which then occurs between the goods to be weighed and the balance can cause the weighing result to be distorted by up to a gramme.

Therefore, when weighing in milligrammes or even smaller increments, we recommend neutralising the electrostatic charge with the KERN AC-Korona discharge ioniser. With feet supplied with the ioniser, it can be positioned conveniently next to the balance or you can manually direct it from all sides onto a particular item to be weighed.

- Discharge of ozone $0,05 \text{ ppm/h}$
- Total dimensions WxDxH $115 \times 100 \times 60 \text{ mm}$
(Adjustable foot retracted), $115 \times 110 \times 80 \text{ mm}$
(Adjustable foot folded out)
- Net weight approx. $0,31 \text{ kg}$
- Mains connection $100-240\text{V}, 50/60 \text{ Hz}$,
AC power supply, DC $12\text{V}, 500 \text{ mA}$, output,

KERN YBI-01A, € 930,-



KERN YPS-03

Weighing table

The KERN YPS-03 weighing table has been constructed to absorb vibrations and oscillations, which would otherwise distort the weighing result.

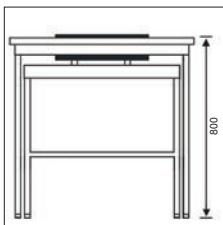
The YPS-03 weighing table consists of:

- a heavy, polished granite slab (34 kg) and is positioned on absorbing rubber components and is used as a surface on which to stand the analytical balance
- a work table, the work surface of which surrounds the slab and offers many storage options. The sturdy powder-coated steel frame has four height-adjustable feet, which can be used to accurately level the weighing table if the floor is at all uneven
- You can work in an ergonomic way at the weighing table whether you are in a standing or seated position. The inlet on the front of the table offers enough space for you to sit down and operate the scale without touching the weighing table.

- All surfaces are easy and hygienic to clean
- Suitable for all KERN analytical balances with total dimensions $\leq \text{WxD} 270 \times 410 \text{ mm}$
- Total dimensions WxDxH $768 \times 648 \times 800 \text{ mm}$ (Height adjustable)
- Dimensions granite slab, WxDxH $270 \times 410 \times 115 \text{ mm}$
- Net weight approx. 62 kg

Ready for shipping in 2 working days. Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs,

KERN YPS-03, € 900,-



Price reduction

Test weights

Weights yesterday and today

Weights have always been used to carry out weighing procedures. This original purpose has almost disappeared. Today, weights are used almost exclusively for adjusting and testing = calibration of electronic balances. We therefore call them "Test weights" as this is their purpose of use.

Adjustment or calibration?

► **Adjusting** a balance means that you are intervening in the weighing system, to make sure that the display is set to show the correct nominal value. With ► **calibration** on the other hand, there is no intervention, you are testing whether the display is correct and documenting any deviation.

Testing, the right way!

The internationally valid OIML norm R111-2004 classifies test weights hierarchically in accuracy classes, where E1 is the most accurate and M3 is the least accurate weight class. With KERN you get the whole test weight range in all OIML accuracy classes E1, E2, F1, F2, M1, M2, M3.

As the appropriate test weight is only classed as checking equipment according to ► **ISO 9000ff** if it has the relevant proof of accuracy, all KERN test weights come with an appropriate ► **DAkkS-calibration certificate**. For further details, see the calibration service section on page 191.

KERN offers you the appropriate test weight package for your balance, consisting of the test weight, box and DAkkS-calibration certificate, as proof of its accuracy. The best pre-requisite for proper balance calibration.

► See the glossary on page 199–201

Test weights: classes of accuracy E, F, M and their general relation to the types of balances:

- E1 Test weights for customers who require a high degree of accuracy for the most demanding applications. For high-resolution balances with $d > 1,000,000$ Use recommended with DAkkS calibration certificate only.
- E2 Most accurate test weights for high resolution analytical balances of verification class I $\geq 100,000$ e
- F1 Test weights for analytical balances/precision balances for verification class I/II $\leq 100,000$ e
- F2 Test weights for precision balances of verification class II, $\leq 30,000$ e
- M1 Test weights for industrial and commercial scales of verification class III $\leq 10,000$ e



Marietta Diener

Product specialist Test weights

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 diener@kern-sohn.com

KERN DAkkS delivery times & shipping type	Total weight ≤ 40 kg (gross weight, incl. packaging)	Total weight > 40 kg (gross weight, incl. packaging)
DAkkS standard service Class E2 – M3	4 DAYS	4 DAYS
DAkkS standard service Class E1, 1 mg – 500 mg and recalibration 1 g – 10 kg with a known volume	10 DAYS	10 DAYS
ClassE1, ≥ 1 g, incl. volume determination (new weights)	15 DAYS	15 DAYS
Special weights, Newton weights, heavy duty weights, weight carriers, wooden boxes for individual weight sets etc. (e.g. 334-141ff, 347-141ff, 346-81ff, 315-040-100ff, 335-040-200ff)	on request	

Selection of the appropriate test weight for your balance

Correctly selected test weights with DAkkS calibration certificate are the pre-requisite for ensuring that your balances are not only correctly adjusted, but also correctly calibrated. Scheduled testing of your balances with such test weights helps to guarantee your quality requirements and to maintain your quality targets.

Here's how you find the right test weight for your balance:

A balance can never be more accurate than the test weight used to adjust it, it all depends on its tolerance.

Accuracy of the test weight: Should correspond to the readout [d] of the balance, or rather be better.

Nominal weight value: This is shown in adjust mode "CAL" in the balance display. Given a choice, the heaviest weight is the most suitable for accurate measurement.

Once accuracy and nominal weight value are specified, the suitable test weight is selected according to the tolerances "Tol" of the individual accuracy classes E2 – M3, see column "Tol ± mg" at the respective weight and table at page 173.

Example:

Balance with weighing range [Max] 2000 g = 2 kg and readout [d] = 0,01 g = 10 mg

- The accuracy of the required test weight is determined by readout [d]: max. tolerance $\pm 10 \text{ mg}$.
- Displayed weight size on "CAL" mode: 1000 g or 2000 g. The required test weight has a 2 kg weight size.
- Suitable test weights with $\pm 10 \text{ mg}$ tolerance and 2 kg weight size, can be found in accuracy class F1. KERN-No 327-72, see page 178.

Exception, analytical balances (readout [d] $\leq 0,1 \text{ mg}$):

E1 test weights are recommended. Depending on the safety requirements, E2 test weights with a DAkkS calibration certificate will also be sufficient.

From brass to stainless steel - the right test weight for every situation



Test weight →	Cylindrical shape with lifting knob, polished stainless steel	Compact shape with carrying grip, polished stainless steel	Cylindrical shape with lifting knob, polished stainless steel or nickel-plated and polished brass	Compact shape with carrying grip, finely turned stainless steel	Cylindrical shape with lifting knob, finely turned stainless steel	Cylindrical shape with lifting knob, finely turned brass
Features ↓						
Conforms to OIML R111	yes	yes	yes	no	yes	yes
Available classes	E1, E2	E2, F1	F1	adjusted to F1 error limit class	F2, M1	M1, M2, M3
Upper surface	polished	polished	polished	finely turned	finely turned	finely turned
Material	Stainless steel	Stainless steel	Stainless steel or nickel-plated brass	Stainless steel	Stainless steel	Brass
Adjusting cavity	no	no	yes	yes, from 20 g	yes, from 20 g	yes, from 20 g
Verification possible	yes	yes	yes	no	yes	yes, except M2
Checking equipment for verification purposes	approved	approved	approved	not approved	approved	approved (M1, M2)
Ideal as checking equipment in QM systems (e.g. ISO 9000 ff)	yes	yes	yes	yes	yes	yes
Benefits	<ul style="list-style-type: none"> High-quality test weight for analytical and precision balances Highly-refined surface Ideal shape of the top for good grip 	<ul style="list-style-type: none"> Affordable test weight for analytical and precision balances Highly refined surface 	<ul style="list-style-type: none"> Ideal, high-quality test weight for precision balances Ideal shape of the top for good grip 	<ul style="list-style-type: none"> Affordable test weight for in-house checking of precision balances 	<ul style="list-style-type: none"> Ideal test weight for commercial and industrial scales Ideal shape of the top for good grip 	<ul style="list-style-type: none"> Affordable test weight for commercial and industrial scales Ideal shape of the top for good grip

The key points from the OIML norm R111-2004

OIML (Organisation Internationale de Metrologie Legale) has established the exact metrological requirements for weights in verified applications in approx. 100 states all over the world. The OIML recommendation R111 (2004 Edition) for weights relates to sizes 1 mg – 5000 kg. Statements are made on the accuracy, materials, geometric shape, marking and storage of the weights.

Error limits for weights of classes E1 to M3

The error limit classes are in fixed hierarchical levels in the proportion of 1:3, where E1 is the most accurate and M3 is the least accurate weight class. When testing weights with other weights, the correct test class is the next highest class.

Error limit classes (= tolerances)

The values given in the table below (tolerances $\pm \dots$ mg) are the respective permitted fabrication tolerances. They are to be equal to the ► **measuring uncertainty** of the weight, if no ► **DAkkS calibration certificate** is available.

Conventional mass

The problem is the air buoyancy, which makes the weight appear lighter. In order to avoid this "distortion" in daily use, all weights are adjusted to the unit specifications as given in R111, e.g. it is accepted that: material density of the weights is 8000 kg/m^3 , air density is 1.2 kg/m^3 and measuring temperature is 20°C .

KERN cylindrical test weights

Comply with OIML R111-2004 in all respects, without exception.

► See the glossary, page 199 – 201

Nominal value ↓	OIML R111-2004 Maximum permissible errors for weights = permissible tolerances "Tol \pm mg"						
	E1	E2	F1	F2	M1	M2	M3
1 mg	$\pm 0,003 \text{ mg}$	$\pm 0,006 \text{ mg}$	$\pm 0,020 \text{ mg}$	$\pm 0,06 \text{ mg}$	$\pm 0,20 \text{ mg}$	-	-
2 mg	$\pm 0,003 \text{ mg}$	$\pm 0,006 \text{ mg}$	$\pm 0,020 \text{ mg}$	$\pm 0,06 \text{ mg}$	$\pm 0,20 \text{ mg}$	-	-
5 mg	$\pm 0,003 \text{ mg}$	$\pm 0,006 \text{ mg}$	$\pm 0,020 \text{ mg}$	$\pm 0,06 \text{ mg}$	$\pm 0,20 \text{ mg}$	-	-
10 mg	$\pm 0,003 \text{ mg}$	$\pm 0,008 \text{ mg}$	$\pm 0,025 \text{ mg}$	$\pm 0,08 \text{ mg}$	$\pm 0,25 \text{ mg}$	-	-
20 mg	$\pm 0,003 \text{ mg}$	$\pm 0,010 \text{ mg}$	$\pm 0,03 \text{ mg}$	$\pm 0,10 \text{ mg}$	$\pm 0,3 \text{ mg}$	-	-
50 mg	$\pm 0,004 \text{ mg}$	$\pm 0,012 \text{ mg}$	$\pm 0,04 \text{ mg}$	$\pm 0,12 \text{ mg}$	$\pm 0,4 \text{ mg}$	-	-
100 mg	$\pm 0,005 \text{ mg}$	$\pm 0,016 \text{ mg}$	$\pm 0,05 \text{ mg}$	$\pm 0,16 \text{ mg}$	$\pm 0,5 \text{ mg}$	$\pm 1,6 \text{ mg}$	-
200 mg	$\pm 0,006 \text{ mg}$	$\pm 0,020 \text{ mg}$	$\pm 0,06 \text{ mg}$	$\pm 0,20 \text{ mg}$	$\pm 0,6 \text{ mg}$	$\pm 2,0 \text{ mg}$	-
500 mg	$\pm 0,008 \text{ mg}$	$\pm 0,025 \text{ mg}$	$\pm 0,08 \text{ mg}$	$\pm 0,25 \text{ mg}$	$\pm 0,8 \text{ mg}$	$\pm 2,5 \text{ mg}$	-
1 g	$\pm 0,010 \text{ mg}$	$\pm 0,03 \text{ mg}$	$\pm 0,10 \text{ mg}$	$\pm 0,3 \text{ mg}$	$\pm 1,0 \text{ mg}$	$\pm 3,0 \text{ mg}$	$\pm 10 \text{ mg}$
2 g	$\pm 0,012 \text{ mg}$	$\pm 0,04 \text{ mg}$	$\pm 0,12 \text{ mg}$	$\pm 0,4 \text{ mg}$	$\pm 1,2 \text{ mg}$	$\pm 4,0 \text{ mg}$	$\pm 12 \text{ mg}$
5 g	$\pm 0,016 \text{ mg}$	$\pm 0,05 \text{ mg}$	$\pm 0,16 \text{ mg}$	$\pm 0,5 \text{ mg}$	$\pm 1,6 \text{ mg}$	$\pm 5,0 \text{ mg}$	$\pm 16 \text{ mg}$
10 g	$\pm 0,020 \text{ mg}$	$\pm 0,06 \text{ mg}$	$\pm 0,20 \text{ mg}$	$\pm 0,6 \text{ mg}$	$\pm 2,0 \text{ mg}$	$\pm 6,0 \text{ mg}$	$\pm 20 \text{ mg}$
20 g	$\pm 0,025 \text{ mg}$	$\pm 0,08 \text{ mg}$	$\pm 0,25 \text{ mg}$	$\pm 0,8 \text{ mg}$	$\pm 2,5 \text{ mg}$	$\pm 8,0 \text{ mg}$	$\pm 25 \text{ mg}$
50 g	$\pm 0,03 \text{ mg}$	$\pm 0,10 \text{ mg}$	$\pm 0,3 \text{ mg}$	$\pm 1,0 \text{ mg}$	$\pm 3,0 \text{ mg}$	$\pm 10 \text{ mg}$	$\pm 30 \text{ mg}$
100 g	$\pm 0,05 \text{ mg}$	$\pm 0,16 \text{ mg}$	$\pm 0,5 \text{ mg}$	$\pm 1,6 \text{ mg}$	$\pm 5,0 \text{ mg}$	$\pm 16 \text{ mg}$	$\pm 50 \text{ mg}$
200 g	$\pm 0,10 \text{ mg}$	$\pm 0,3 \text{ mg}$	$\pm 1,0 \text{ mg}$	$\pm 3,0 \text{ mg}$	$\pm 10 \text{ mg}$	$\pm 30 \text{ mg}$	$\pm 100 \text{ mg}$
500 g	$\pm 0,25 \text{ mg}$	$\pm 0,8 \text{ mg}$	$\pm 2,5 \text{ mg}$	$\pm 8,0 \text{ mg}$	$\pm 25 \text{ mg}$	$\pm 80 \text{ mg}$	$\pm 250 \text{ mg}$
1 kg	$\pm 0,5 \text{ mg}$	$\pm 1,6 \text{ mg}$	$\pm 5,0 \text{ mg}$	$\pm 16 \text{ mg}$	$\pm 50 \text{ mg}$	$\pm 160 \text{ mg}$	$\pm 500 \text{ mg}$
2 kg	$\pm 1,0 \text{ mg}$	$\pm 3,0 \text{ mg}$	$\pm 10 \text{ mg}$	$\pm 30 \text{ mg}$	$\pm 100 \text{ mg}$	$\pm 300 \text{ mg}$	$\pm 1000 \text{ mg}$
5 kg	$\pm 2,5 \text{ mg}$	$\pm 8,0 \text{ mg}$	$\pm 25 \text{ mg}$	$\pm 80 \text{ mg}$	$\pm 250 \text{ mg}$	$\pm 800 \text{ mg}$	$\pm 2500 \text{ mg}$
10 kg	$\pm 5,0 \text{ mg}$	$\pm 16 \text{ mg}$	$\pm 50 \text{ mg}$	$\pm 160 \text{ mg}$	$\pm 500 \text{ mg}$	$\pm 1600 \text{ mg}$	$\pm 5000 \text{ mg}$
20 kg	$\pm 10 \text{ mg}$	$\pm 30 \text{ mg}$	$\pm 100 \text{ mg}$	$\pm 300 \text{ mg}$	$\pm 1000 \text{ mg}$	$\pm 3000 \text{ mg}$	$\pm 10 \text{ g}$
50 kg	$\pm 25 \text{ mg}$	$\pm 80 \text{ mg}$	$\pm 250 \text{ mg}$	$\pm 800 \text{ mg}$	$\pm 2500 \text{ mg}$	$\pm 8000 \text{ mg}$	$\pm 25 \text{ g}$
100 kg	-	$\pm 160 \text{ mg}$	$\pm 500 \text{ mg}$	$\pm 1600 \text{ mg}$	$\pm 5000 \text{ mg}$	$\pm 16 \text{ g}$	$\pm 50 \text{ g}$
200 kg	-	$\pm 300 \text{ mg}$	$\pm 1000 \text{ mg}$	$\pm 3000 \text{ mg}$	$\pm 10 \text{ g}$	$\pm 30 \text{ g}$	$\pm 100 \text{ g}$
500 kg	-	$\pm 800 \text{ mg}$	$\pm 2500 \text{ mg}$	$\pm 8000 \text{ mg}$	$\pm 25 \text{ g}$	$\pm 80 \text{ g}$	$\pm 250 \text{ g}$
1 000 kg	-	$\pm 1600 \text{ mg}$	$\pm 5000 \text{ mg}$	$\pm 16 \text{ g}$	$\pm 50 \text{ g}$	$\pm 160 \text{ g}$	$\pm 500 \text{ g}$
2 000 kg	-	-	$\pm 10 \text{ g}$	$\pm 30 \text{ g}$	$\pm 100 \text{ g}$	$\pm 300 \text{ g}$	$\pm 1000 \text{ g}$
5 000 kg	-	-	-	$\pm 25 \text{ g}$	$\pm 80 \text{ g}$	$\pm 250 \text{ g}$	$\pm 800 \text{ g}$

Composition table, valid for all KERN weight sets from 1 mg

Individual weights per set →	1	2	2	5	10	20	20	50	100	200	200	500	1	2	2	5	10	20	20	50	100	200	200	500	1	2	2	5	10	
	mg	mg	mg	mg	mg	mg	mg	mg	mg	mg	mg	mg	g	g	g	g	g	g	g	g	g	g	g	kg	kg	kg	kg	kg		
1 mg – 500 mg	Total weight												1,11 g																	
1 mg – 50 g																														
1 mg – 100 g																														
1 mg – 200 g																														
1 mg – 500 g																														
1 mg – 1 kg																														
1 mg – 2 kg																														
1 mg – 5 kg																														
1 mg – 10 kg																														

Class E1 • Milligram weights, wire shape, stainless steel

Test weight material: stainless steel

Box material: Wood

Milligram weight			Box		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
308-31	1 mg	0,003	52,-	338-090-200	14,-	962-251	52,-	118,-
308-32	2 mg	0,003	52,-	338-090-200	14,-	962-252	52,-	118,-
308-33	5 mg	0,003	52,-	338-090-200	14,-	962-253	52,-	118,-
308-34	10 mg	0,003	52,-	338-090-200	14,-	962-254	52,-	118,-
308-35	20 mg	0,003	52,-	338-090-200	14,-	962-255	52,-	118,-
308-36	50 mg	0,004	52,-	338-090-200	14,-	962-256	52,-	118,-
308-37	100 mg	0,005	52,-	338-090-200	14,-	962-257	52,-	118,-
308-38	200 mg	0,006	52,-	338-090-200	14,-	962-258	52,-	118,-
308-39	500 mg	0,008	52,-	338-090-200	14,-	962-259	52,-	118,-

Class E1 • Individual weights, cylindrical shape, polished stainless steel

Test weight material: Polished stainless steel

Box material: Lined wood

For weights
≤ 500 gFor weights
≥ 1 kg

Individual weight			Box		DAkkS certificate		Package price		DAkkS certificate	
					Initial calibration				Recalibration	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€	KERN	€
307-01	1 g	0,010	83,-	317-010-100	28,-	963-231	193,-	304,-	962-231R	52,-
307-02	2 g	0,012	89,-	317-020-100	28,-	963-232	193,-	310,-	962-232R	52,-
307-03	5 g	0,016	96,-	317-030-100	28,-	963-233	193,-	317,-	962-233R	52,-
307-04	10 g	0,020	104,-	317-040-100	28,-	963-234	193,-	325,-	962-234R	52,-
307-05	20 g	0,025	113,-	317-050-100	28,-	963-235	193,-	334,-	962-235R	52,-
307-06	50 g	0,03	135,-	317-060-100	28,-	963-236	193,-	356,-	962-236R	52,-
307-07	100 g	0,05	162,-	317-070-100	28,-	963-237	193,-	383,-	962-237R	52,-
307-08	200 g	0,10	194,-	317-080-100	28,-	963-238	193,-	415,-	962-238R	52,-
307-09	500 g	0,25	280,-	317-090-100	31,-	963-239	193,-	504,-	962-239R	52,-
307-11	1 kg	0,5	425,-	317-110-100	35,-	963-241	193,-	653,-	962-241R	52,-
307-12	2 kg	1,0	630,-	317-120-100	44,-	963-242	465,-	1139,-	962-242R	64,-
307-13	5 kg	2,5	1060,-	317-130-100	66,-	963-243	465,-	1591,-	962-243R	64,-
307-14	10 kg	5,0	1530,-	317-140-100	89,-	963-244	465,-	2084,-	962-244R	64,-
307-15	20 kg	10,0	2160,-	317-150-100	340,-	963-245	1160,-	3660,-	962-245R	590,-
307-16	50 kg	25,0	4140,-	317-160-100	415,-	963-246	1360,-	5915,-	962-246R	660,-

For E1 weights > 1g at the point of initial calibration, a volume determination will be carried out in accordance with OIML R111.
When recalibrating, this is not required.

Class E1 • Weight sets, cylindrical shape, polished stainless steel

Test weight material: Polished stainless steel

Case material: Lined wood. Milligram weights 1 mg – 500 mg in plastic box.



Weight set			DAkkS certificate		Package price		DAkkS certificate	
			Initial calibration				Recalibration	
KERN	€		KERN	€	KERN	€	KERN	€
308-42	1 mg – 500 mg	655,-	962-250	350,-	1005,-	962-250R	350,-	
303-02	1 mg – 50 g	1540,-	963-201	1070,-	2610,-	962-201R	560,-	
303-03	1 mg – 100 g	1700,-	963-202	1170,-	2870,-	962-202R	580,-	
303-04	1 mg – 200 g	2090,-	963-203	1350,-	3440,-	962-203R	630,-	
303-05	1 mg – 500 g	2420,-	963-204	1440,-	3860,-	962-204R	660,-	
303-06	1 mg – 1 kg	2840,-	963-205	1530,-	4370,-	962-205R	700,-	
303-07	1 mg – 2 kg	4150,-	963-206	2000,-	6150,-	962-206R	750,-	
303-08	1 mg – 5 kg	5300,-	963-207	2450,-	7750,-	962-207R	770,-	
303-09	1 mg – 10 kg	6890,-	963-208	2900,-	9790,-	962-208R	800,-	
304-02	1 g – 50 g	910,-	963-215	770,-	1680,-	962-215R	245,-	
304-03	1 g – 100 g	1070,-	963-216	860,-	1930,-	962-216R	270,-	
304-04	1 g – 200 g	1460,-	963-217	1040,-	2500,-	962-217R	320,-	
304-05	1 g – 500 g	1790,-	963-218	1130,-	2920,-	962-218R	350,-	
304-06	1 g – 1 kg	2210,-	963-219	1230,-	3440,-	962-219R	375,-	
304-07	1 g – 2 kg	3520,-	963-220	1780,-	5300,-	962-220R	425,-	
304-08	1 g – 5 kg	4670,-	963-221	2230,-	6900,-	962-221R	450,-	
304-09	1 g – 10 kg	6260,-	963-222	2690,-	8950,-	962-222R	485,-	

Test weights class E2

Class E2 • Milligram weights, flat polygonal sheet, aluminium/German silver

Test weight material: Aluminium 1 mg – 5 mg/German silver 10 mg – 500 mg
Container material: Lined plastic



Milligram weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
318-01	1 mg	0,006	24,-	347-009-400	2,-	962-351	26,-	52,-
318-02	2 mg	0,006	24,-	347-009-400	2,-	962-352	26,-	52,-
318-03	5 mg	0,006	24,-	347-009-400	2,-	962-353	26,-	52,-
318-04	10 mg	0,008	24,-	347-009-400	2,-	962-354	26,-	52,-
318-05	20 mg	0,010	24,-	347-009-400	2,-	962-355	26,-	52,-
318-06	50 mg	0,012	24,-	347-009-400	2,-	962-356	26,-	52,-
318-07	100 mg	0,016	24,-	347-009-400	2,-	962-357	26,-	52,-
318-08	200 mg	0,020	24,-	347-009-400	2,-	962-358	26,-	52,-
318-09	500 mg	0,025	24,-	347-009-400	2,-	962-359	26,-	52,-

Class E2 • Individual weights, compact shape, polished stainless steel

Test weight material: Polished stainless steel
Container material: Lined plastic



Individual weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
316-01	1 g	0,03	33,-	317-020-400	6,-	962-331	26,-	65,-
316-02	2 g	0,04	35,-	317-020-400	6,-	962-332	26,-	67,-
316-03	5 g	0,05	37,-	317-030-400	6,-	962-333	26,-	69,-
316-04	10 g	0,06	39,-	317-040-400	6,-	962-334	26,-	71,-
316-05	20 g	0,08	45,-	317-050-400	6,-	962-335	26,-	77,-
316-06	50 g	0,10	48,-	317-060-400	6,-	962-336	26,-	80,-
316-07	100 g	0,16	52,-	317-070-400	6,-	962-337	33,-	91,-
316-08	200 g	0,3	66,-	317-080-400	6,-	962-338	33,-	105,-
316-09	500 g	0,8	111,-	317-090-400	9,-	962-339	33,-	153,-
316-11	1 kg	1,6	161,-	317-110-400	9,-	962-341	33,-	203,-
316-12	2 kg	3,0	260,-	317-120-400	9,-	962-342	41,-	310,-
316-13	5 kg	8,0	375,-	317-130-400	15,-	962-343	41,-	431,-
316-14	10 kg	16,0	530,-	317-140-400	20,-	962-344	41,-	591,-

Class E2 • Individual weights, cylindrical shape, polished stainless steel

Test weight material: Polished stainless steel
Container material: Lined plastic or wooden box (317-150-100 and 317-160-100)



Individual weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
317-01	1 g	0,03	47,-	317-020-400	6,-	962-331	26,-	79,-
317-02	2 g	0,04	50,-	317-020-400	6,-	962-332	26,-	82,-
317-03	5 g	0,05	54,-	317-030-400	6,-	962-333	26,-	86,-
317-04	10 g	0,06	56,-	317-040-400	6,-	962-334	26,-	88,-
317-05	20 g	0,08	65,-	317-050-400	6,-	962-335	26,-	97,-
317-06	50 g	0,10	76,-	317-060-400	6,-	962-336	26,-	108,-
317-07	100 g	0,16	82,-	317-070-400	6,-	962-337	33,-	121,-
317-08	200 g	0,3	104,-	317-080-400	6,-	962-338	33,-	143,-
317-09	500 g	0,8	175,-	317-090-400	9,-	962-339	33,-	217,-
317-11	1 kg	1,6	260,-	317-110-400	9,-	962-341	33,-	302,-
317-12	2 kg	3,0	415,-	317-120-400	9,-	962-342	41,-	465,-
317-13	5 kg	8,0	590,-	317-130-400	15,-	962-343	41,-	646,-
317-14	10 kg	16,0	850,-	317-140-400	20,-	962-344	41,-	911,-
317-15	20 kg	30,0	1340,-	317-150-100	340,-	962-345	52,-	1732,-
317-16	50 kg	80,0	2780,-	317-160-100	415,-	962-346	64,-	3259,-

For individual weights, wooden boxes are also available as an alternative to the plastic containers.
For more details on this, please see page 189.

For weights
≤ 500 g

For weights
≥ 1 kg

Class E2 • Weight sets, compact shape, polished stainless steel



Test weight material: Polished stainless steel
Case material: Lined plastic

Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
312-024	1 g - 50 g	370,-	962-315	127,-
312-034	1 g - 100 g	410,-	962-316	150,-
312-044	1 g - 200 g	500,-	962-317	196,-
312-054	1 g - 500 g	610,-	962-318	220,-
312-064	1 g - 1 kg	810,-	962-319	245,-
312-074	1 g - 2 kg	1310,-	962-320	305,-
312-084	1 g - 5 kg	1650,-	962-321	340,-

Class E2 • Weight sets, cylindrical shape, polished stainless steel

Test weight material: Individual weights, polished stainless steel,
milligram weights aluminium/German silver
Case material: Lined plastic. Milligram weights 1 mg - 500 mg in plastic box



Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
318-22	1 mg - 500 mg	320,-	962-350	190,-
313-024	1 mg - 50 g	820,-	962-301	315,-
313-034	1 mg - 100 g	910,-	962-302	340,-
313-044	1 mg - 200 g	1110,-	962-303	385,-
313-054	1 mg - 500 g	1270,-	962-304	410,-
313-064	1 mg - 1 kg	1630,-	962-305	435,-
313-074	1 mg - 2 kg	2460,-	962-306	495,-
313-084	1 mg - 5 kg	3050,-	962-307	530,-
314-024	1 g - 50 g	540,-	962-315	127,-
314-034	1 g - 100 g	620,-	962-316	150,-
314-044	1 g - 200 g	830,-	962-317	196,-
314-054	1 g - 500 g	1010,-	962-318	220,-
314-064	1 g - 1 kg	1340,-	962-319	245,-
314-074	1 g - 2 kg	2180,-	962-320	305,-
314-084	1 g - 5 kg	2760,-	962-321	340,-

Class E2 • Weight sets, cylindrical shape, polished stainless steel

Test weight material: Individual weights, polished stainless steel,
milligram weights aluminium /German silver
Case material: Lined wood. Milligram weights 1 mg - 500 mg in plastic box.



Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
318-22	1 mg - 500 mg	320,-	962-350	190,-
313-02	1 mg - 50 g	880,-	962-301	315,-
313-03	1 mg - 100 g	960,-	962-302	340,-
313-04	1 mg - 200 g	1170,-	962-303	385,-
313-05	1 mg - 500 g	1400,-	962-304	410,-
313-06	1 mg - 1 kg	1670,-	962-305	435,-
313-07	1 mg - 2 kg	2550,-	962-306	495,-
313-08	1 mg - 5 kg	3250,-	962-307	530,-
313-09	1 mg - 10 kg	4180,-	962-308	560,-
314-02	1 g - 50 g	590,-	962-315	127,-
314-03	1 g - 100 g	670,-	962-316	150,-
314-04	1 g - 200 g	880,-	962-317	196,-
314-05	1 g - 500 g	1120,-	962-318	220,-
314-06	1 g - 1 kg	1380,-	962-319	245,-
314-07	1 g - 2 kg	2260,-	962-320	305,-
314-08	1 g - 5 kg	2960,-	962-321	340,-
314-09	1 g - 10 kg	3890,-	962-322	370,-

Test weights class F1

Class F1 • Milligram weights, flat polygonal sheet, aluminium/German silver

Test weight material: Aluminium 1 mg – 5 mg/German silver 10 mg – 500 mg
Container material: Lined plastic



Milligram weight			Container		DAkkS certificate		Package price	
KERN		Tol ± mg	€		KERN		€	
328-01	1 mg	0,020	11,-		347-009-400	2,-	962-451	18,-
328-02	2 mg	0,020	11,-		347-009-400	2,-	962-452	18,-
328-03	5 mg	0,020	11,-		347-009-400	2,-	962-453	18,-
328-04	10 mg	0,025	11,-		347-009-400	2,-	962-454	18,-
328-05	20 mg	0,03	11,-		347-009-400	2,-	962-455	18,-
328-06	50 mg	0,04	11,-		347-009-400	2,-	962-456	18,-
328-07	100 mg	0,05	11,-		347-009-400	2,-	962-457	18,-
328-08	200 mg	0,06	11,-		347-009-400	2,-	962-458	18,-
328-09	500 mg	0,08	11,-		347-009-400	2,-	962-459	18,-

Individual weights, compact shape, finely turned stainless steel

Test weight material: finely turned stainless steel
Container material: Lined plastic

Build type: Not in accordance with OIML R111, adjusted to error limit class F1



Individual weight			Container		DAkkS certificate		Package price	
KERN		Tol ± mg	€		KERN		€	
329-01	1 g	0,10	18,-		347-030-400	2,-	962-431N	18,-
329-02	2 g	0,12	19,-		347-030-400	2,-	962-432N	18,-
329-03	5 g	0,16	20,-		347-030-400	2,-	962-433N	18,-
329-04	10 g	0,20	23,-		347-050-400	2,-	962-434N	18,-
329-05	20 g	0,25	25,-		347-050-400	2,-	962-435N	18,-
329-06	50 g	0,3	27,-		347-070-400	2,-	962-436N	18,-
329-07	100 g	0,5	31,-		347-070-400	2,-	962-437N	20,-
329-08	200 g	1,0	41,-		347-080-400	2,-	962-438N	20,-
329-09	500 g	2,5	58,-		347-090-400	3,-	962-439N	20,-
329-11	1 kg	5,0	83,-		347-110-400	3,-	962-441N	20,-
329-12	2 kg	10	127,-		347-120-400	3,-	962-442N	25,-
329-13	5 kg	25	218,-		347-130-400	9,-	962-443N	25,-
329-14	10 kg	50	412,-		347-140-400	9,-	962-444N	25,-

Class F1 • Individual weights, compact shape, polished stainless steel

Test weight material: Polished stainless steel
Container material: Lined plastic



Individual weight			Container		DAkkS certificate		Package price	
KERN		Tol ± mg	€		KERN		€	
326-01	1 g	0,10	22,-		347-030-400	2,-	962-431	18,-
326-02	2 g	0,12	23,-		347-030-400	2,-	962-432	18,-
326-03	5 g	0,16	25,-		347-030-400	2,-	962-433	18,-
326-04	10 g	0,20	28,-		347-050-400	2,-	962-434	18,-
326-05	20 g	0,25	29,-		347-050-400	2,-	962-435	18,-
326-06	50 g	0,3	32,-		347-070-400	2,-	962-436	18,-
326-07	100 g	0,5	36,-		347-070-400	2,-	962-437	20,-
326-08	200 g	1,0	49,-		347-080-400	2,-	962-438	20,-
326-09	500 g	2,5	68,-		347-090-400	3,-	962-439	20,-
326-11	1 kg	5,0	101,-		347-110-400	3,-	962-441	20,-
326-12	2 kg	10	150,-		347-120-400	3,-	962-442	25,-
326-13	5 kg	25	257,-		347-130-400	9,-	962-443	25,-
326-14	10 kg	50	485,-		347-140-400	9,-	962-444	25,-

Class F1 • Individual weights, cylindrical shape, nickel-plated and polished brass

Test weight material: Nickel-plated and polished brass

Container material: Lined plastic or lined wooden box (317-150-100 and 317-160-100)



Individual weight			+ Container	+ DAkkS certificate	= Package price
KERN	Tol ± mg	€	KERN	€	KERN €
327-61	1 g	0,10	23,-	347-030-400	2,-
327-62	2 g	0,12	24,-	347-030-400	2,-
327-63	5 g	0,16	26,-	347-030-400	2,-
327-64	10 g	0,20	29,-	347-050-400	2,-
327-65	20 g	0,25	31,-	347-050-400	2,-
327-66	50 g	0,3	34,-	347-070-400	2,-
327-67	100 g	0,5	38,-	347-070-400	2,-
327-68	200 g	1,0	52,-	347-080-400	2,-
327-69	500 g	2,5	72,-	347-090-400	3,-
327-71	1 kg	5,0	106,-	347-110-400	3,-
327-72	2 kg	10	158,-	347-120-400	3,-
327-73	5 kg	25	270,-	347-130-400	9,-
327-74	10 kg	50	510,-	347-140-400	9,-
327-75	20 kg	100	960,-	317-150-100	340,-
327-76	50 kg	250	1800,-	317-160-100	415,-

Class F1 • Individual weights, cylindrical shape, polished stainless steel

Test weight material: Polished stainless steel

Container material: Lined plastic or lined wooden box (317-150-100 and 317-160-100)



Individual weight			+ Container	+ DAkkS certificate	= Package price
KERN	Tol ± mg	€	KERN	€	KERN €
327-01	1 g	0,10	30,-	347-030-400	2,-
327-02	2 g	0,12	31,-	347-030-400	2,-
327-03	5 g	0,16	33,-	347-030-400	2,-
327-04	10 g	0,20	37,-	347-050-400	2,-
327-05	20 g	0,25	41,-	347-050-400	2,-
327-06	50 g	0,3	45,-	347-070-400	2,-
327-07	100 g	0,5	55,-	347-070-400	2,-
327-08	200 g	1,0	72,-	347-080-400	2,-
327-09	500 g	2,5	118,-	347-090-400	3,-
327-11	1 kg	5,0	165,-	347-110-400	3,-
327-12	2 kg	10	250,-	347-120-400	3,-
327-13	5 kg	25	375,-	347-130-400	9,-
327-14	10 kg	50	680,-	347-140-400	9,-
327-15	20 kg	100	1050,-	317-150-100	340,-
327-16	50 kg	250	2270,-	317-160-100	415,-

**Alternative to plastic container:**

Wooden boxes for individual weights. For more details on this, please see page 189.

Weight sets, compact shape, finely turned stainless steel

Check weight material: finely turned stainless steel, Case material: Lined plastic

■ Build type: Not in accordance with OIML R111, adjusted to error limit class F1

Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
321-024	1 g - 50 g	185,-	962-415	67,-
321-034	1 g - 100 g	215,-	962-416	77,-
321-044	1 g - 200 g	280,-	962-417	98,-
321-054	1 g - 500 g	320,-	962-418	109,-
321-064	1 g - 1 kg	460,-	962-419	119,-
321-074	1 g - 2 kg	640,-	962-420	151,-
321-084	1 g - 5 kg	820,-	962-421	166,-

Class F1 • Weight sets, compact shape, polished stainless steel

Test weight material: Polished stainless steel Case material: Lined plastic

Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
322-024	1 g - 50 g	235,-	962-415	67,-
322-034	1 g - 100 g	270,-	962-416	77,-
322-044	1 g - 200 g	350,-	962-417	98,-
322-054	1 g - 500 g	410,-	962-418	109,-
322-064	1 g - 1 kg	580,-	962-419	119,-
322-074	1 g - 2 kg	810,-	962-420	151,-
322-084	1 g - 5 kg	1030,-	962-421	166,-

Class F1 • Weight sets, cylindrical shape, polished and nickel-plated brass or polished stainless steel

Test weight material: Individual weights - nickel-plated and polished brass or polished stainless steel, milligram weights - aluminium 1 mg - 5 mg/German silver 10 mg - 500 mg

Case material: Lined plastic. Milligram weights 1 mg - 500 mg in plastic box.

Weight set		+ DAkkS certificate	= Package price	
KERN	€	KERN	€	
328-22	1 mg - 500 mg	175,-	962-450	100,-
Polished and nickel-plated brass				
323-624	1 mg - 50 g	400,-	962-401	167,-
323-634	1 mg - 100 g	435,-	962-402	178,-
323-644	1 mg - 200 g	530,-	962-403	199,-
323-654	1 mg - 500 g	590,-	962-404	210,-
323-664	1 mg - 1 kg	750,-	962-405	220,-
323-674	1 mg - 2 kg	1030,-	962-406	250,-
323-684	1 mg - 5 kg	1270,-	962-407	265,-
324-624	1 g - 50 g	260,-	962-415	67,-
324-634	1 g - 100 g	300,-	962-416	77,-
324-644	1 g - 200 g	380,-	962-417	98,-
324-654	1 g - 500 g	450,-	962-418	109,-
324-664	1 g - 1 kg	630,-	962-419	119,-
324-674	1 g - 2 kg	900,-	962-420	151,-
324-684	1 g - 5 kg	1140,-	962-421	166,-
Polished stainless steel				
323-024	1 mg - 50 g	500,-	962-401	167,-
323-034	1 mg - 100 g	560,-	962-402	178,-
323-044	1 mg - 200 g	700,-	962-403	199,-
323-054	1 mg - 500 g	820,-	962-404	210,-
323-064	1 mg - 1 kg	1070,-	962-405	220,-
323-074	1 mg - 2 kg	1570,-	962-406	250,-
323-084	1 mg - 5 kg	1920,-	962-407	265,-
324-024	1 g - 50 g	340,-	962-415	67,-
324-034	1 g - 100 g	400,-	962-416	77,-
324-044	1 g - 200 g	540,-	962-417	98,-
324-054	1 g - 500 g	660,-	962-418	109,-
324-064	1 g - 1 kg	890,-	962-419	119,-
324-074	1 g - 2 kg	1400,-	962-420	151,-
324-084	1 g - 5 kg	1750,-	962-421	166,-

Class F1 • Weight sets, cylindrical shape, nickel-plated and polished brass or polished stainless steel

Test weight material: Individual weights polished or nickel-plated brass or polished stainless steel, milligram weights aluminium 1 mg – 5 mg/German silver 10 mg – 500 mg
 Case material: Lined wood. Milligram weights 1 mg – 500 mg in plastic box.



Weight set			DAkkS certificate		Package price	
KERN	€		KERN	€	KERN	€
328-22	1 mg – 500 mg	175,-	962-450	100,-		275,-
Polished and nickel-plated brass						
323-62	1 mg – 50 g	455,-	962-401	167,-		622,-
323-63	1 mg – 100 g	485,-	962-402	178,-		663,-
323-64	1 mg – 200 g	580,-	962-403	199,-		779,-
323-65	1 mg – 500 g	700,-	962-404	210,-		910,-
323-66	1 mg – 1 kg	790,-	962-405	220,-		1010,-
323-67	1 mg – 2 kg	1120,-	962-406	250,-		1370,-
323-68	1 mg – 5 kg	1470,-	962-407	265,-		1735,-
323-69	1 mg – 10 kg	1990,-	962-408	285,-		2275,-
324-62	1 g – 50 g	310,-	962-415	67,-		377,-
324-63	1 g – 100 g	350,-	962-416	77,-		427,-
324-64	1 g – 200 g	435,-	962-417	98,-		533,-
324-65	1 g – 500 g	560,-	962-418	109,-		669,-
324-66	1 g – 1 kg	660,-	962-419	119,-		779,-
324-67	1 g – 2 kg	980,-	962-420	151,-		1131,-
324-68	1 g – 5 kg	1330,-	962-421	166,-		1496,-
324-69	1 g – 10 kg	1850,-	962-422	182,-		2032,-
Polished stainless steel						
323-02	1 mg – 50 g	560,-	962-401	167,-		727,-
323-03	1 mg – 100 g	610,-	962-402	178,-		788,-
323-04	1 mg – 200 g	750,-	962-403	199,-		949,-
323-05	1 mg – 500 g	930,-	962-404	210,-		1140,-
323-06	1 mg – 1 kg	1100,-	962-405	220,-		1320,-
323-07	1 mg – 2 kg	1650,-	962-406	250,-		1900,-
323-08	1 mg – 5 kg	2110,-	962-407	265,-		2375,-
323-09	1 mg – 10 kg	2880,-	962-408	285,-		3165,-
324-02	1 g – 50 g	390,-	962-415	67,-		457,-
324-03	1 g – 100 g	450,-	962-416	77,-		527,-
324-04	1 g – 200 g	600,-	962-417	98,-		698,-
324-05	1 g – 500 g	760,-	962-418	109,-		869,-
324-06	1 g – 1 kg	940,-	962-419	119,-		1059,-
324-07	1 g – 2 kg	1480,-	962-420	151,-		1631,-
324-08	1 g – 5 kg	1950,-	962-421	166,-		2116,-
324-09	1 g – 10 kg	2710,-	962-422	182,-		2892,-

**You can create your own individual weight set yourself:**

It contains only the weights which you need for testing purposes. KERN will customise your own personal box out of plastic, wood or aluminium. For more details on this, please see page 190.

Test weights class F2

Class F2 • Milligram weights, flat polygonal sheet, aluminium/German silver

Test weight material: Aluminium 1 mg – 5 mg/German silver 10 mg – 500 mg
Container material: Lined plastic



Milligram weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
338-01	1 mg	0,06	10,-	347-009-400	2,-	962-451	18,-	30,-
338-02	2 mg	0,06	10,-	347-009-400	2,-	962-452	18,-	30,-
338-03	5 mg	0,06	10,-	347-009-400	2,-	962-453	18,-	30,-
338-04	10 mg	0,08	10,-	347-009-400	2,-	962-454	18,-	30,-
338-05	20 mg	0,10	10,-	347-009-400	2,-	962-455	18,-	30,-
338-06	50 mg	0,12	10,-	347-009-400	2,-	962-456	18,-	30,-
338-07	100 mg	0,16	10,-	347-009-400	2,-	962-457	18,-	30,-
338-08	200 mg	0,20	10,-	347-009-400	2,-	962-458	18,-	30,-
338-09	500 mg	0,25	10,-	347-009-400	2,-	962-459	18,-	30,-

Class F2 • Individual weights, cylindrical shape, finely turned stainless steel

Test weight material: finely turned stainless steel
Container material: Lined plastic or wooden box (337-150-200 and 337-160-200)



Individual weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
337-01	1 g	0,3	19,-	347-030-400	2,-	962-431	18,-	39,-
337-02	2 g	0,4	20,-	347-030-400	2,-	962-432	18,-	40,-
337-03	5 g	0,5	22,-	347-030-400	2,-	962-433	18,-	42,-
337-04	10 g	0,6	24,-	347-050-400	2,-	962-434	18,-	44,-
337-05	20 g	0,8	26,-	347-050-400	2,-	962-435	18,-	46,-
337-06	50 g	1,0	28,-	347-070-400	2,-	962-436	18,-	48,-
337-07	100 g	1,6	32,-	347-070-400	2,-	962-437	20,-	54,-
337-08	200 g	3,0	42,-	347-080-400	2,-	962-438	20,-	64,-
337-09	500 g	8,0	60,-	347-090-400	3,-	962-439	20,-	83,-
337-11	1 kg	16	84,-	347-110-400	3,-	962-441	20,-	107,-
337-12	2 kg	30	129,-	347-120-400	3,-	962-442	25,-	157,-
337-13	5 kg	80	220,-	347-130-400	9,-	962-443	25,-	254,-
337-14	10 kg	160	415,-	347-140-400	9,-	962-444	25,-	449,-
337-15	20 kg	300	710,-	337-150-200	220,-	962-445	28,-	958,-
337-16	50 kg	800	1290,-	337-160-200	345,-	962-446	39,-	1674,-

Alternative to plastic container:

Wooden boxes for individual weights. For more details on this, please see page 189.

Class F2 • Test weights, stainless steel, stackable

Test weight material: finely turned stainless steel
Box material: Wood



Test weight				Container		DAkkS certificate		Package price	
KERN	Tol ± mg	Dim. Ø x H	€	KERN	€	KERN	€	KERN	€
337-141	10 kg	160	137×132 mm	550,-	337-141-200	190,-	962-444	25,-	765,-
337-151	20 kg	300	137×217 mm	670,-	337-151-200	235,-	962-445	28,-	933,-
337-161	50 kg	800	198×250 mm	1790,-	337-161-200	345,-	962-446	39,-	2174,-

Class F2 • Weight sets, cylindrical shape, finely turned stainless steel

Test weight material: Individual weights - finely turned stainless steel,
 milligram weights - aluminium 1 mg - 5 mg/German silver 10 mg - 500 mg
 Case material: Lined plastic. Milligram weights 1 mg - 500 mg in plastic box.



Weight set		+ DAkkS certificate	= Package price		
KERN	€	KERN	€		
338-22	1 mg - 500 mg	143,-	962-450	100,-	243,-
333-024	1 mg - 50 g	365,-	962-401	167,-	532,-
333-034	1 mg - 100 g	405,-	962-402	178,-	583,-
333-044	1 mg - 200 g	495,-	962-403	199,-	694,-
333-054	1 mg - 500 g	570,-	962-404	210,-	780,-
333-064	1 mg - 1 kg	690,-	962-405	220,-	910,-
333-074	1 mg - 2 kg	970,-	962-406	250,-	1220,-
333-084	1 mg - 5 kg	1250,-	962-407	265,-	1515,-
334-024	1 g - 50 g	225,-	962-415	67,-	292,-
334-034	1 g - 100 g	265,-	962-416	77,-	342,-
334-044	1 g - 200 g	360,-	962-417	98,-	458,-
334-054	1 g - 500 g	425,-	962-418	109,-	534,-
334-064	1 g - 1 kg	560,-	962-419	119,-	679,-
334-074	1 g - 2 kg	850,-	962-420	151,-	1001,-
334-084	1 g - 5 kg	1120,-	962-421	166,-	1286,-

Class F2 • Weight sets, cylindrical shape, finely turned stainless steel

Test weight material: Individual weights - finely turned stainless steel,
 milligram weights - aluminium 1 mg - 5 mg/German silver 10 mg - 500 mg
 Case material: Wood. Milligram weights 1 mg - 500 mg in plastic box.



Weight set		+ DAkkS certificate	= Package price		
KERN	€	KERN	€		
338-22	1 mg - 500 mg	143,-	962-450	100,-	243,-
333-02	1 mg - 50 g	365,-	962-401	167,-	532,-
333-03	1 mg - 100 g	405,-	962-402	178,-	583,-
333-04	1 mg - 200 g	495,-	962-403	199,-	694,-
333-05	1 mg - 500 g	570,-	962-404	210,-	780,-
333-06	1 mg - 1 kg	690,-	962-405	220,-	910,-
333-07	1 mg - 2 kg	970,-	962-406	250,-	1220,-
333-08	1 mg - 5 kg	1250,-	962-407	265,-	1515,-
333-09	1 mg - 10 kg	1750,-	962-408	285,-	2035,-
334-02	1 g - 50 g	225,-	962-415	67,-	292,-
334-03	1 g - 100 g	265,-	962-416	77,-	342,-
334-04	1 g - 200 g	360,-	962-417	98,-	458,-
334-05	1 g - 500 g	425,-	962-418	109,-	534,-
334-06	1 g - 1 kg	560,-	962-419	119,-	679,-
334-07	1 g - 2 kg	850,-	962-420	151,-	1001,-
334-08	1 g - 5 kg	1120,-	962-421	166,-	1286,-
334-09	1 g - 10 kg	1610,-	962-422	182,-	1792,-

**You can create your own individual weight set yourself:**

It contains only the weights which you need for testing purposes. KERN will customise your own personal box out of plastic, wood or aluminium. For more details on this, please see page 190.

Test weights class M1

Class M1 • Milligram weights, flat polygonal sheet, aluminium/German silver

Test weight material: Aluminium 1 mg – 5 mg/German silver 10 mg – 500 mg

Container material: Lined plastic



Milligram weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
348-01	1 mg	0,20	4,10	347-009-400	2,-	962-651	15,-	21,10
348-02	2 mg	0,20	4,10	347-009-400	2,-	962-652	15,-	21,10
348-03	5 mg	0,20	4,10	347-009-400	2,-	962-653	15,-	21,10
348-04	10 mg	0,25	4,10	347-009-400	2,-	962-654	15,-	21,10
348-05	20 mg	0,3	4,10	347-009-400	2,-	962-655	15,-	21,10
348-06	50 mg	0,4	4,10	347-009-400	2,-	962-656	15,-	21,10
348-07	100 mg	0,5	4,10	347-009-400	2,-	962-657	15,-	21,10
348-08	200 mg	0,6	4,10	347-009-400	2,-	962-658	15,-	21,10
348-09	500 mg	0,8	4,10	347-009-400	2,-	962-659	15,-	21,10

Class M1 • Individual weights, cylindrical shape, finely turned brass or finely turned stainless steel

Test weight material: Individual weights - finely turned brass or finely turned stainless steel
Container material: Lined plastic



Individual weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
Finely turned brass								
347-41	1 g	1,0	4,10	347-030-400	2,-	962-631	15,-	21,10
347-42	2 g	1,2	4,40	347-030-400	2,-	962-632	15,-	21,40
347-43	5 g	1,6	4,80	347-030-400	2,-	962-633	15,-	21,80
347-44	10 g	2,0	5,30	347-050-400	2,-	962-634	15,-	22,30
347-45	20 g	2,5	5,70	347-050-400	2,-	962-635	15,-	22,70
347-46	50 g	3,0	6,70	347-070-400	2,-	962-636	15,-	23,70
347-47	100 g	5,0	8,60	347-070-400	2,-	962-637	16,-	26,60
347-48	200 g	10	13,-	347-080-400	2,-	962-638	16,-	31,-
347-49	500 g	25	28,-	347-090-400	3,-	962-639	16,-	47,-
347-51	1 kg	50	43,-	347-110-400	3,-	962-641	16,-	62,-
347-52	2 kg	100	77,-	347-120-400	3,-	962-642	17,-	97,-
347-53	5 kg	250	165,-	347-130-400	9,-	962-643	17,-	191,-
347-54	10 kg	500	310,-	347-140-400	9,-	962-644	17,-	336,-
Finely turned stainless steel								
347-01	1 g	1,0	4,60	347-030-400	2,-	962-631	15,-	21,60
347-02	2 g	1,2	4,90	347-030-400	2,-	962-632	15,-	21,90
347-03	5 g	1,6	5,40	347-030-400	2,-	962-633	15,-	22,40
347-04	10 g	2,0	5,80	347-050-400	2,-	962-634	15,-	22,80
347-05	20 g	2,5	6,50	347-050-400	2,-	962-635	15,-	23,50
347-06	50 g	3,0	8,20	347-070-400	2,-	962-636	15,-	25,20
347-07	100 g	5,0	11,-	347-070-400	2,-	962-637	16,-	29,-
347-08	200 g	10	16,-	347-080-400	2,-	962-638	16,-	34,-
347-09	500 g	25	34,-	347-090-400	3,-	962-639	16,-	53,-
347-11	1 kg	50	54,-	347-110-400	3,-	962-641	16,-	73,-
347-12	2 kg	100	92,-	347-120-400	3,-	962-642	17,-	112,-
347-13	5 kg	250	196,-	347-130-400	9,-	962-643	17,-	222,-
347-14	10 kg	500	385,-	347-140-400	9,-	962-644	17,-	411,-

Class M1 • Test weights, stainless steel, stackable

Test weight material: Stainless steel, finely turned
Box material: Wood



Test weight				Container		DAkkS certificate		Package price	
KERN	Tol ± g	Dim. Ø x H	€	KERN	€	KERN	€	KERN	€
347-141	10 kg	0,50	137x132 mm	465,-	337-141-200	190,-	962-644	17,-	672,-
347-151	20 kg	1,00	137x217 mm	530,-	337-151-200	235,-	962-645	22,-	787,-
347-161	50 kg	2,50	198x250 mm	1510,-	337-161-200	345,-	962-646	24,-	1879,-

Class M1 • Weight sets, cylindrical shape, finely turned brass or finely turned stainless steel

Test weight material: Individual weights finely turned brass or finely turned stainless steel, milligram weights aluminium 1 mg - 5 mg/German silver 10 mg - 500 mg
 Case material: Lined plastic. Milligram weights 1 mg - 500 mg in plastic box.



Weight set		+ DAkkS certificate	= Package price
KERN	€	KERN	€
348-22	1 mg - 500 mg	69,-	132,-
Finely turned brass			
343-424	1 mg - 50 g	149,-	255,-
343-434	1 mg - 100 g	162,-	274,-
343-444	1 mg - 200 g	191,-	316,-
343-454	1 mg - 500 g	220,-	351,-
343-464	1 mg - 1 kg	305,-	442,-
343-474	1 mg - 2 kg	485,-	637,-
343-484	1 mg - 5 kg	710,-	870,-
344-424	1 g - 50 g	81,-	123,-
344-434	1 g - 100 g	94,-	143,-
344-444	1 g - 200 g	124,-	185,-
344-454	1 g - 500 g	158,-	226,-
344-464	1 g - 1 kg	250,-	324,-
344-474	1 g - 2 kg	430,-	519,-
344-484	1 g - 5 kg	650,-	746,-
Finely turned stainless steel			
343-024	1 mg - 50 g	155,-	261,-
343-034	1 mg - 100 g	170,-	282,-
343-044	1 mg - 200 g	205,-	330,-
343-054	1 mg - 500 g	245,-	376,-
343-064	1 mg - 1 kg	335,-	472,-
343-074	1 mg - 2 kg	540,-	692,-
343-084	1 mg - 5 kg	800,-	960,-
344-024	1 g - 50 g	88,-	130,-
344-034	1 g - 100 g	102,-	151,-
344-044	1 g - 200 g	139,-	200,-
344-054	1 g - 500 g	179,-	247,-
344-064	1 g - 1 kg	285,-	359,-
344-074	1 g - 2 kg	490,-	579,-
344-084	1 g - 5 kg	750,-	846,-

Class M1 • Weight sets, cylindrical shape, finely turned brass or finely turned stainless steel

Test weight material: Individual weights finely turned brass or finely turned stainless steel, milligram weights aluminium 1 mg - 5 mg/German silver 10 mg - 500 mg
 Case material: Wood. Milligram weights 1 mg - 500 mg in plastic box.



Weight set		+ DAkkS certificate	= Package price
KERN	€	KERN	€
348-22	1 mg - 500 mg	69,-	132,-
Finely turned brass			
343-42	1 mg - 50 g	149,-	255,-
343-43	1 mg - 100 g	162,-	274,-
343-44	1 mg - 200 g	191,-	316,-
343-45	1 mg - 500 g	220,-	351,-
343-46	1 mg - 1 kg	305,-	442,-
343-47	1 mg - 2 kg	485,-	637,-
343-48	1 mg - 5 kg	710,-	870,-
343-49	1 mg - 10 kg	1090,-	1257,-
344-42	1 g - 50 g	81,-	123,-
344-43	1 g - 100 g	94,-	143,-
344-44	1 g - 200 g	124,-	185,-
344-45	1 g - 500 g	158,-	226,-
344-46	1 g - 1 kg	250,-	324,-
344-47	1 g - 2 kg	430,-	519,-
344-48	1 g - 5 kg	650,-	746,-
344-49	1 g - 10 kg	1020,-	1124,-

Continuation: Class M1 Weight sets, cylindrical shape, finely turned brass or finely turned stainless steel



Weight set			+ DAkkS certificate		= Package price	
KERN		€	KERN	€	KERN	€
Finely turned stainless steel						
343-02	1 mg - 50 g	155,-	962-601	106,-		261,-
343-03	1 mg - 100g	170,-	962-602	112,-		282,-
343-04	1 mg - 200 g	205,-	962-603	125,-		330,-
343-05	1 mg - 500 g	245,-	962-604	131,-		376,-
343-06	1 mg - 1 kg	335,-	962-605	137,-		472,-
343-07	1 mg - 2 kg	540,-	962-606	152,-		692,-
343-08	1 mg - 5 kg	800,-	962-607	160,-		960,-
343-09	1 mg - 10 kg	1250,-	962-608	167,-		1417,-
344-02	1 g - 50 g	88,-	962-615	42,-		130,-
344-03	1 g - 100 g	102,-	962-616	49,-		151,-
344-04	1 g - 200 g	139,-	962-617	61,-		200,-
344-05	1 g - 500 g	179,-	962-618	68,-		247,-
344-06	1 g - 1 kg	285,-	962-619	74,-		359,-
344-07	1 g - 2 kg	490,-	962-620	89,-		579,-
344-08	1 g - 5 kg	750,-	962-621	96,-		846,-
344-09	1 g - 10 kg	1190,-	962-622	104,-		1294,-



You can create your own individual weight set yourself:

It contains only the weights which you need for testing purposes. KERN will customise your own personal box out of plastic, wood or aluminium. For more details on this, please see page 190.

Newton weights (N)

All hook and slotted weights as well as beam bars are available with N adjustment according to M1 tolerances, additional price € 8,-. We need to know the location of use and postal code.

DAkkS calibration certificate for N weights: identical to DAkkS prices for individual weights M1, additional price € 8,-.

Class M1 • Hook weights, finely turned brass

Test weight material: Finely turned brass

Container material: Lined plastic



Hook weight			+ Container		+ DAkkS certificate		= Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
347-416	1 g	1,0	347-030-400	2,-	962-631	15,-		29,-
347-426	2 g	1,2	347-030-400	2,-	962-632	15,-		30,-
347-436	5 g	1,6	347-030-400	2,-	962-633	15,-		31,-
347-446	10 g	2,0	347-050-400	2,-	962-634	15,-		32,-
347-456	20 g	2,5	347-050-400	2,-	962-635	15,-		33,-
347-466	50 g	3,0	347-070-400	2,-	962-636	15,-		37,-
347-476	100 g	5	347-090-400	3,-	962-637	16,-		42,-
347-486	200 g	10	347-090-400	3,-	962-638	16,-		50,-
347-496	500 g	25	347-110-400	3,-	962-639	16,-		62,-
347-516	1 kg	50	347-120-400	3,-	962-641	16,-		82,-
347-526	2 kg	100	347-130-400	9,-	962-642	17,-		130,-
347-536	5 kg	250	347-140-400	9,-	962-643	17,-		206,-
347-546	10 kg	500	-	-	962-644	17,-		367,-

Class M1 • Slotted weights, finely turned brass

Test weight material: Finely turned brass
Container material: Lined plastic



Slotted weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
347-415	1 g	1,0	14,-	347-030-400	2,-	962-631	15,-	
347-425	2 g	1,2	15,-	347-030-400	2,-	962-632	15,-	
347-435	5 g	1,6	16,-	347-030-400	2,-	962-633	15,-	
347-445	10 g	2,0	19,-	347-030-400	2,-	962-634	15,-	
347-455	20 g	2,5	20,-	347-080-400	2,-	962-635	15,-	
347-465	50 g	3,0	22,-	347-080-400	2,-	962-636	15,-	
347-475	100 g	5,0	25,-	347-090-400	3,-	962-637	16,-	
347-485	200 g	10	30,-	347-090-400	3,-	962-638	16,-	
347-495	500 g	25	48,-	347-110-400	3,-	962-639	16,-	
347-515	1 kg	50	77,-	347-130-400	9,-	962-641	16,-	
347-525	2 kg	100	116,-	347-130-400	9,-	962-642	17,-	
347-535	5 kg	250	216,-	347-140-400	9,-	962-643	17,-	
347-545	10 kg	500	376,-	347-140-400	9,-	962-644	17,-	

Class M1 • Beam bars, finely turned brass, for fixing slotted weights

Beam bar material: Brass, aluminium (347-445-100)

Beam bar				DAkkS certificate	
KERN	Size	Largest slotted weight possible	Maximum total load	€	€
347-445-100*	10 g	100 g	200 g	30,-	15,-
347-475-100**	100 g	1 kg	2 kg	50,-	16,-
347-495-100***	500 g	10 kg	20 kg	79,-	16,-
347-515-100***	1000 g	10 kg	40 kg	118,-	16,-

Class M1 • Block weights, lacquered cast iron/stainless steel

Test weight material: Lacquered cast iron/stainless steel (in OIML classes F1 and F2 on request)

Blockgewicht			DAkkS certificate		Package price	
KERN	Tol ± g	€	KERN	€	KERN	€
Lacquered cast iron						
346-86	5 kg	0,25	65,-	962-643	17,-	82,-
346-87	10 kg	0,50	85,-	962-644	17,-	102,-
346-88	20 kg	1,00	116,-	962-645	22,-	138,-
346-89	50 kg	2,50	320,-	962-646	24,-	344,-
Stainless steel						
346-06	5 kg	0,25	315,-	962-643	17,-	332,-
346-07	10 kg	0,50	455,-	962-644	17,-	472,-
346-08	20 kg	1,00	580,-	962-645	22,-	602,-
346-09	50 kg	2,50	1490,-	962-646	24,-	1514,-

Class M1 • Heavy duty weights, cast iron, stackable

Designed to be lifted with forklift trucks or cranes



Test weight material: Lacquered cast iron

Schwerlastgewicht				DAkkS certificate	
KERN	Tol ± g	Dimensions WxDxH	€	KERN	€
346-81	100 kg	5	340×225×280 mm	1390,-	63,-
346-82	200 kg	10	465×340×291 mm	1670,-	63,-
346-83	500 kg	25	750×500×314 mm	3100,-	63,-
346-84	1000 kg	50	750×500×500 mm	5150,-	136,-
346-85	2000 kg	100	1000×750×500 mm	9500,-	250,-

Class M2 • Individual weights, cylindrical shape, finely turned brass

Test weight material: finely turned brass

Container material: Lined plastic



Alternative to plastic container:

Wooden boxes for individual weights. For more details on this, please see page 189

Individual weight			Container		DAkkS certificate		Package price	
KERN	Tol ± mg	€	KERN	€	KERN	€	KERN	€
357-41	1 g	3	3,60	347-030-400	2,-	962-631	15,-	20,60
357-42	2 g	4	3,90	347-030-400	2,-	962-632	15,-	20,90
357-43	5 g	5	4,30	347-030-400	2,-	962-633	15,-	21,30
357-44	10 g	6	4,70	347-050-400	2,-	962-634	15,-	21,70
357-45	20 g	8	5,20	347-050-400	2,-	962-635	15,-	22,20
357-46	50 g	10	6,20	347-070-400	2,-	962-636	15,-	23,20
357-47	100 g	16	8,-	347-070-400	2,-	962-637	16,-	26,-
357-48	200 g	30	12,-	347-080-400	2,-	962-638	16,-	30,-
357-49	500 g	80	26,-	347-090-400	3,-	962-639	16,-	45,-
357-51	1 kg	160	41,-	347-110-400	3,-	962-641	16,-	60,-
357-52	2 kg	300	69,-	347-120-400	3,-	962-642	17,-	89,-
357-53	5 kg	800	149,-	347-130-400	9,-	962-643	17,-	175,-
357-54	10 kg	1600	295,-	347-140-400	9,-	962-644	17,-	321,-

Class M2 • Block weights, lacquered cast iron

Test weight material: Lacquered cast iron



Block weight			DAkkS certificate		Package price	
KERN	Tol ± g	€	KERN	€	KERN	€
356-86	5 kg	0,8	62,-	962-643	17,-	79,-
356-87	10 kg	1,6	82,-	962-644	17,-	99,-
356-88	20 kg	3,0	113,-	962-645	22,-	135,-
356-89	50 kg	8,0	310,-	962-646	24,-	334,-

Class M2 • Weight sets, cylindrical shape, finely turned brass

Test weight material: Finely turned brass

Case material: Wood



Weight set			DAkkS certificate		Package price	
KERN	€	KERN	€	KERN	€	
354-42	1 g - 50 g	78,-	962-615	42,-	120,-	
354-43	1 g - 100 g	89,-	962-616	49,-	138,-	
354-44	1 g - 200 g	117,-	962-617	61,-	178,-	
354-45	1 g - 500 g	149,-	962-618	68,-	217,-	
354-46	1 g - 1 kg	245,-	962-619	74,-	319,-	
354-47	1 g - 2 kg	405,-	962-620	89,-	494,-	
354-48	1 g - 5 kg	610,-	962-621	96,-	706,-	
354-49	1 g - 10 kg	970,-	962-622	104,-	1074,-	

Class M3 • Individual weights, cylindrical shape, finely turned brass

Test weight material: Finely turned brass
Container material: Lined plastic



Individual weight			Container		DAkkS certificate		Package price		
KERN		Tol ± mg	€	KERN	€	KERN	€	KERN	€
367-41	1 g	10	3,10	347-030-400	2,-	962-631	15,-		20,10
367-42	2 g	12	3,40	347-030-400	2,-	962-632	15,-		20,40
367-43	5 g	16	3,80	347-030-400	2,-	962-633	15,-		20,80
367-44	10 g	20	4,20	347-050-400	2,-	962-634	15,-		21,20
367-45	20 g	25	4,60	347-070-400	2,-	962-635	15,-		21,60
367-46	50 g	30	5,40	347-070-400	2,-	962-636	15,-		22,40
367-47	100 g	50	6,70	347-070-400	2,-	962-637	16,-		24,70
367-48	200 g	100	9,80	347-080-400	2,-	962-638	16,-		27,80
367-49	500 g	250	22,-	347-090-400	3,-	962-639	16,-		41,-
367-51	1 kg	500	35,-	347-110-400	3,-	962-641	16,-		54,-
367-52	2 kg	1000	59,-	347-120-400	3,-	962-642	17,-		79,-

Class M3 • Individual weights, cylindrical shape, lacquered cast iron

Test weight material: Lacquered cast iron. 20 kg and 50 kg with bail



Individual weight			DAkkS certificate		Package price		
KERN		Tol ± g	€	KERN	€	KERN	€
366-91	100 g	0,05	11,-	962-637	16,-		27,-
366-92	200 g	0,10	12,-	962-638	16,-		28,-
366-93	500 g	0,25	18,-	962-639	16,-		34,-
366-94	1 kg	0,50	22,-	962-641	16,-		38,-
366-95	2 kg	1,0	40,-	962-642	17,-		57,-
366-96	5 kg	2,5	66,-	962-643	17,-		83,-
366-97	10 kg	5,0	118,-	962-644	17,-		135,-

Class M3 • Block weights, lacquered cast iron

Test weight material: lacquered cast iron



Blockgewicht			DAkkS certificate		Package price		
KERN		Tol ± g	€	KERN	€	KERN	€
366-86	5 kg	2,5	59,-	962-643	17,-		76,-
366-87	10 kg	5,0	79,-	962-644	17,-		96,-
366-88	20 kg	10	110,-	962-645	22,-		132,-
366-89	50 kg	25	300,-	962-646	24,-		324,-

Class M3 • Weight sets, cylindrical, brass and lacquered cast iron

Test weight material: Brass and lacquered cast iron
Case material: Wooden block



Weight set			DAkkS certificate		Package price	
KERN		€	KERN	€	KERN	€
362-96	1 g - 1 kg	140,-	962-619	74,-		214,-
362-97	1 g - 2 kg	225,-	962-620	89,-		314,-
362-98	1 g - 5 kg	295,-	962-621	96,-		391,-
362-99	1 g - 10 kg	420,-	962-622	104,-		524,-

Tweezers, gloves, dusting brush

Tweezers
to be able to safely grip small test weights

For class	For weights	KERN	Length	Version	€
E1 - F1	1 mg - 200 g	315-243	105 mm	1	Stainless steel with silicone-coated tips 15,-
E1 - F1	500 g - 2 kg	315-245	250 mm	1	Stainless steel with silicone-coated tips 32,-
F2 - M3	1 mg - 200 g	335-240	100 mm	2	Stainless steel 6,80
E1 - M1	1 mg - 200 g	315-242	100 mm	3	Plastic 6,20



Gloves cotton, 1 pair. Help to protect the test weights when being used daily, from grease from fingers, damp etc.
KERN € 317-280 2,50



Gloves leather/cotton, 1 pair. Help to protect the test weights when being used daily, from grease from fingers, damp etc.
KERN € 317-290 6,90



Dusting brush to clean the weights
KERN € 318-270 4,20

Boxes for individual weights/test weights

Box material: Lined wood
Suitable for individual weights
KERN-No. 307, 316, 317, 326, 327, 329



For weights ≤ 500 g



For weights ≥ 1 kg



For weights ≥ 10 kg

Wooden box
for individual weights E1 - F1

For weight	KERN	€
mg	338-090-200	14,-
1 g	317-010-100	28,-
2 g	317-020-100	28,-
5 g	317-030-100	28,-
10 g	317-040-100	28,-
20 g	317-050-100	28,-
50 g	317-060-100	28,-
100 g	317-070-100	28,-
200 g	317-080-100	28,-
500 g	317-090-100	31,-
1 kg	317-110-100	35,-
2 kg	317-120-100	44,-
5 kg	317-130-100	66,-
10 kg	317-140-100	89,-
20 kg	317-150-100	340,-
50 kg	317-160-100	415,-



For weights ≤ 500 g



For weights ≥ 1 kg

Wooden box
for check weights F2, M1

For weight	KERN	€
10 kg	337-141-200	190,-
20 kg	337-151-200	235,-
50 kg	337-161-200	345,-



For weights ≥ 10 kg

Wooden box
for individual weights F2 - M3

For weight	KERN	€
mg	338-090-200	14,-
1 g	337-010-200	14,-
2 g	337-020-200	14,-
5 g	337-030-200	14,-
10 g	337-040-200	14,-
20 g	337-050-200	14,-
50 g	337-060-200	15,-
100 g	337-070-200	15,-
200 g	337-080-200	16,-
500 g	337-090-200	19,-
1 kg	337-110-200	24,-
2 kg	337-120-200	27,-
5 kg	337-130-200	47,-
10 kg	337-140-200	61,-
20 kg	337-150-200	220,-
50 kg	337-160-200	345,-

Aluminium box
for individual weights, cylindrical shape,
class E1, E2, F1 and F2

Largest possible weight	KERN	€
10 kg	317-140-600	245,-
20 kg	317-150-600	275,-

Cases/boxes for individual weight sets

Individual weight sets:

You can create your own "tailor-made" individual weight sets yourself. KERN will customise your own personal wooden box/plastic carrying case. The largest individual weight which will fit is given in the table.



Plastic case for individual weight sets classes E2 – M3, not appropriate for cast iron weights		
KERN	Largest possible weight	€
313-050-400	≤ 500 g	92,-
313-080-400	≤ 5 kg	190,-

Sample order:

Your individual weight set:

1 x 50 g, 2 x 100 g, 1 x 500 g, 2 x 1 kg, 1 x 2 kg.

The correct individual box is **KERN-Nr. 313-080-400** (plastic) or **KERN-Nr. 315-070-100** (wood).



Wooden box for individual weight sets classes E1 – F1		
KERN	Largest possible weight	€
315-040-100	≤ 200 g	129,-
315-060-100	≤ 1 kg	205,-
315-070-100	≤ 2 kg	250,-
315-080-100	≤ 5 kg	350,-
315-090-100	≤ 10 kg	465,-



Wooden box for individual weight set classes F2 – M3		
KERN	Largest possible weight	€
335-040-200	≤ 200 g	58,-
335-050-200	≤ 500 g	61,-
335-060-200	≤ 1 kg	108,-
335-070-200	≤ 2 kg	134,-
335-080-200	≤ 5 kg	210,-
335-090-200	≤ 10 kg	300,-

Plastic carrying case for standard weight sets



Plastic case for weight sets with standard denomination classes E2 – M3, not appropriate for cast iron weights		
KERN	Largest possible weight	€
313-052-400	≤ 500 g	55,-
313-082-400	≤ 5 kg	154,-

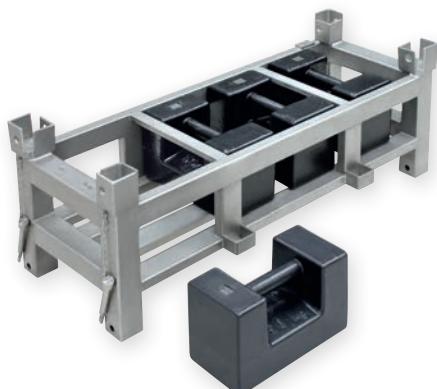
Aluminium case

for safe storage and transportation under harsh industrial conditions.



Aluminium case for weight sets with standard denomination classes E1, E2		
KERN	Largest possible weight	€
313-042-600	≤ 200 g	230,-
313-062-600	≤ 1 kg	310,-
313-082-600	≤ 5 kg	390,-
313-090-600	≤ 10 kg	470,-

Weight carriers for block weights or other test weights



Individual weight carriers for testing high capacity floor scales, pallet scales, pallet truck scales, crane scales, etc. This can also be used for storing the weights.

This means the weight container and the weights can be placed on the scale in one go, saving time and money.

The weight container can be calibrated to OIML accuracy classes M1 – M3.

On request, KERN will make you a "tailor-made" weight carrier to your specifications.

Example:

9 block weights	each 50 kg, class M1 =	450 kg
1 weight container	each 50 kg, class M1 =	50 kg
Total	=	500 kg

DAkkS Calibration Service (DKD) and Verification service

The Deutsche Akkreditierungsstelle GmbH (DAkkS) (German accreditation body)

The Deutsche Akkreditierungsstelle GmbH (DAkkS), successor of the German Calibration Service (DKD), is responsible for measuring "correctly" in accordance with legally binding international standards. It is part of DAkkS = Deutsche Akkreditierungsstelle (German accreditation authority) which was founded in Germany. The basis is the European range of standards DIN EN ISO/IEC 17000 for conformity assessment, in particular the accreditation standard 17025, which governs the organisation of a calibration laboratory, as well as basic metrological technical requirements.

Only an accredited calibration laboratory can issue a DAkkS calibration (DKD) certificate. This defines not only the measuring method as well as the measuring result, but also gives information on tracing the test medium to national

- **You are certified to ...**
ISO 9001, QS 9000, GLP, GMP, TS16949
- **You need ...**
to control your measuring equipment
- **Our solution ...**
DAkkS calibration certificate (DKD); (traceability, measuring uncertainty, internationally recognised)

standards and the relevant uncertainty of measurement.

KERN – Precision is our business

The KERN calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force measurement in Europe.

Thanks to the high level of automation, we can carry out DAkkS calibration (DKD) of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Do you have any further requests or questions on this matter? We would be pleased to help you or visit us on the web at www.kern-lab.com



Waldemar Fleitling

Product specialist Calibration service

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DAkkS calibration (DKD)

Why? DAkkS calibration (DKD) is always necessary when checking equipment (balance or test weight) is to be used in a QM process (e.g. to ISO 9000ff, GS 9000, TS 16949, VDA 6.1, FDA, GLP, GMP, GMP etc.)

What? Any checking equipment in proper condition can be DAkkS calibrated (DKD)

How? Determination of accuracy throughout the world by a laboratory which is accredited to DIN EN ISO 17025. Traceability to internationally recognised standards. The DAkkS calibration (DKD) certificate confirms both the measurement characteristics of the checking equipment and the general requirements for the control of checking equipment.

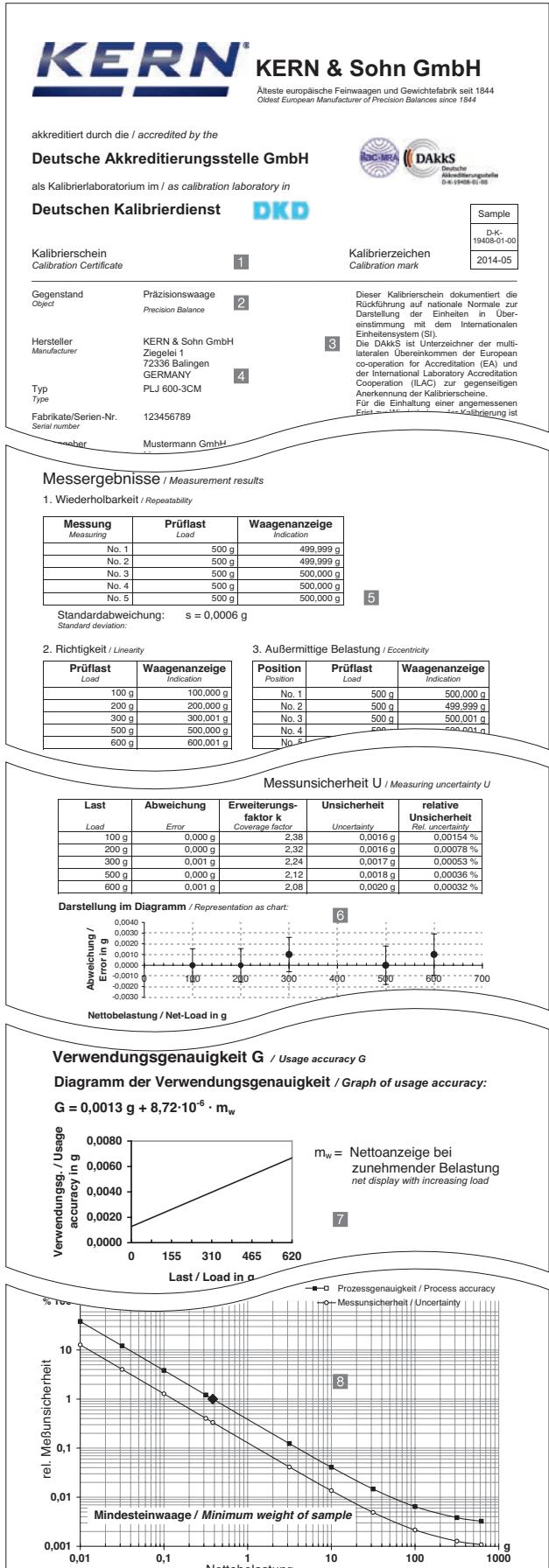
Where? Internationally recognised – this is monitored by ILAC (International Laboratory Accreditation Cooperation) and e.g. DAkkS (German calibration service) in Germany

When? Operator control the use of checking equipment and periodic recalibration time intervals themselves

Range of services:

- DAkkS calibration (DKD) of balances with a maximum load of up to 50.000 kg
- DAkkS calibration (DKD) of weights in the range of 1 mg – 2.500 kg. Calibrations can be carried out in the following classes: E1, E2, F1, F2, M1, M2, M3
- DAkkS calibration (DKD) of force-measuring devices
- Volume determination for weights of accuracy class E1
- Measuring of sensitivity (magnetic characteristics)
- Factory calibration in various sizes:
- Force (sensors and measuring devices), hardness (Shore, UCI, Leeb, etc.), thickness of coatings and walls, torque wrench testing devices, and much more
- Conformity assessments and recalibration of balances and weights at the KERN verification point, working closely with the verification authorities

And on top of all these services, we also offer additional services – see page 198.



DAkkS calibration certificate for balances (extract)

1 Official document

2 Item to be calibrated

3 Traceability, see page 201

To get reliable weighing results you need to have calibrated balances. KERN offers you an extensive calibration service for your balances - you have the choice:

KERN in-house calibration

You send your balance to us.

Recommendable with new equipment and for balances which can be transported economically, as the travel costs for on-site calibration are then not applied. On request, we can also provide a pick-up and collection service with our parcel service.

KERN on-site calibration

We visit you

For further details see page 193.

Recalibration

- The recalibration schedule depends on the frequency of use, the conditions of use and the safety requirements.
- We would recommend that you recalibrate your balances every 6 months if they are used intensively, and every 12 months with normal use.
- The KERN calibration service is independent of the brand.



Initial calibration and recalibration of balance at the KERN factory	KERN	Price excl. of VAT ex works €
Weighing range		
Analytical balances		
[Max] ≤ 5 kg	963-101	138,-
[Max] > 5 kg	963-102	176,-
Precision balances/Industrial scales		
[Max] ≤ 5 kg	963-127	72,-
[Max] > 5 kg – 50 kg	963-128	88,-
[Max] > 50 kg – 350 kg	963-129	105,-
[Max] > 350 kg – 1500 kg	963-130	165,-
[Max] > 1500 kg – 2900 kg ¹⁾	963-131	220,-
[Max] > 2900 kg – 6000 kg ¹⁾	963-132	440,-
[Max] > 6000 kg – 12000 kg ¹⁾	963-133	500,-
Hanging scales/Crane scales		
[Max] ≤ 5 kg	963-127H	72,-
[Max] > 5 kg – 50 kg	963-128H	88,-
[Max] > 50 kg – 350 kg	963-129H	105,-
[Max] > 350 kg – 1500 kg	963-130H	165,-
[Max] > 1500 kg – 2900 kg	963-131H	250,-
[Max] > 2900 kg – 6000 kg	963-132H	500,-
[Max] > 6000 kg – 12000 kg ³⁾	963-133H	700,-
[Max] > 12000 kg – 31000 kg ⁴⁾ (recalibration only)	963-134HR	830,-
[Max] > 31000 kg – 50000 kg ⁴⁾ (recalibration only)	963-135HR	830,-
Preparation for recalibration (cleaning, adjustment, function test)	969-003R	20,-
Additional services		
Minimum weight of sample (for details see internet)	969-103	10,-
DAkkS Express service with delivery time 48 hours (only on initial purchase, details see p. 196)	962-116	50,-/ scale
Express shipping: Express supplement for guaranteed delivery on the next working day (if ready for shipment before 12:00 noon)	in GER only	40,-/ parcel

¹⁾ Floor scales & axle load scales only (Price per weighing panel). Please ask for further details.

²⁾ On request

³⁾ Processing time 4 working days

⁴⁾ Processing time 15 working days

7 Usage accuracy, see page 199

8 Minimum weight of sample (additional price)

Why not have your balances calibrated on site – it's so easy!

As well as KERN in-house calibration, which is carried out at the KERN factory, we can also offer to calibrate your electronic balances (independent of the brand) at your premises.

In Germany, KERN has a close-knit network of KERN DKD calibration laboratory employees, who can come to your premises and carry out on-site calibration of balances up to 50 tonnes.

This on-site testing service is metrologically recommended, as your balances are in their field of use and can be calibrated without any possible transportation problems. Lower downtime as well as personal contact with our expert are the major benefits of this service. This KERN calibration service is also independent of the brand.



Info flyer for on-site calibration,
available on kern-lab.com

What are the advantages of on-site calibration?

- Calibration in your field of use
- Low downtime
- Reduces measuring uncertainty and guarantees strict compliance with EC Guideline EURAMET/cg-18 in terms of process accuracy
- Cross-brand servicing, basic inspection and adjustment by a specialist
- No transportation risks
- Device training for your qualified users
- Preparation for verification
- We will take your preferred date into account

Just tell us when you would like us to come and give us the relevant technical details for the balances you would like us to test. Our DAkkS calibration colleague will then get in touch with you immediately and will discuss the calibration process with you – it's straightforward and professional. We would be delighted to put together a customised quotation for you.

Note: KERN adjustment at the location of installation

KERN will adjust your balance to the individual location of installation!

Adjustment at the location of installation is necessary, as the measuring results of balances depend on the local gravitational force (gravitational acceleration) and therefore depend on the location of use.

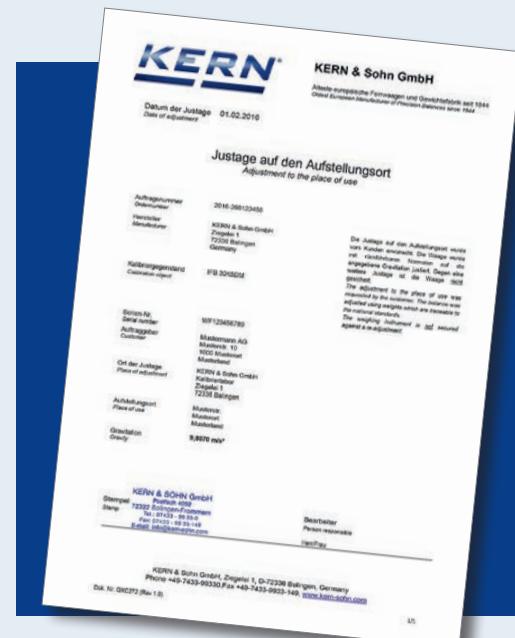
KERN can carry this out just before shipping at the factor, individually to suit the location of installation.

What are the advantages of carrying out adjustment at the location of installation?

- The balance gives reliable measurement results at the location of installation
- No time-consuming on-site adjustment necessary
- You do not need a Service Engineer
- You do not need any additional weights
- The balance is ready for immediate use

For adjustment to the location of installation you need the value for gravitational acceleration at the location of installation, which KERN can calculate using the point of use. The procedure is suitable for balances with a resolution of <60,000 d.

For higher resolutions we recommend a balance with an internal adjusting weight or adjustment with a calibrated adjusting weight at the location of installation.



Waldemar Fleitling

Product specialist calibration service

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fleitling@kern-sohn.com



KERN	Weighing range	Price excl. of VAT ex works €
961-247	[Max] ≤ 5 kg	36,-
961-248	[Max] > 5 – 50 kg	44,-
961-249	[Max] > 50 – 350 kg	52,-
961-250	[Max] > 350 – 1500 kg	83,-
961-251	[Max] > 1500 – 2900 kg	110,-
961-252	[Max] > 2900 – 6000 kg	220,-
961-253	[Max] > 6000 – 12000 kg	250,-

Our commitment to satisfy our customers never stops. Perhaps this is one of the reasons why our roots can perhaps be traced so far back in history. **Discover the KERN route to success: fast - competent - reliable - versatile!**

The order process

- 1** You will receive a reminder that your test equipment is due or you will generate a quotation for new or existing test equipment
- 2** Submission or collection of your test equipment
- 3** Initial inspection of your goods, to check that they are suitable for calibration, and are complete, etc.
- 4** You will get a detailed order confirmation
- 5** Our experts will carry out initial calibration
- 6** Checked for conformity with required tolerances and if required, any necessary actions which arise from this are carried out
- 7** Before these actions are carried out, we will contact you (in so far as no individual processing has been agreed with you beforehand)
- 8** After your approval the necessary actions will be implemented and the calibration will be completed
- 9** After that your test equipment will be returned without delay, together with the appropriate calibration certificates
- 10** We will monitor your recalibration periods and will send you, free of charge, a reminder about your next calibration

Our service

► Reminder service

The continuous cyclic recalibration of your checking equipment is an integral part of the reliable management of test equipment. You can depend on us to support you, and we will remind you in good time, free of charge, when the next recalibration is due. In addition, you have the option of managing your test equipment yourself online (cf. **1**, **10**).

► Quote generator

You will be impressed by our price-to-performance ratio. Request a non-binding quotation or create it yourself to suit your specifications at www.kern-lab.com (cf. **1**)

► Collection service

We will be pleased to arrange for our shipping company to pick up the goods from your premises. Simply tell us the weight and dimensions of your package and leave the rest to us (cf. **2**)

► Repair and reconditioning of balances and weights

KERN will get your weights back up to standard, regardless of the manufacturer. Whether it is adjustment, marking, sand blasting or lacquering – the aim here is compliance and long-term stability. Any repairs of balances and instruments which may be necessary can be carried out quickly and easily (cf. **5**)

► Individual processing

In order to avoid delays with future orders, we would be pleased to incorporate your individual requirements for future processing of such calibration results. Even for smaller issues such as the printing of calibration certificates (stapling, punching, double-sided) we can work to your requirements (cf. **8**)

► Express service and dispatch

If you need a particularly fast service, you can use your DAkkS express service. You will receive your test equipment after just 2 days (cf. **9**).

www.kern-lab.com – the central portal for ... Services, News, Calibration

On our website you will always find the latest news and useful information about testing and measuring devices, calibration, legal metrology and expansions to our range of services. You will also find numerous online services on the website.

Database supported management of test equipment

Information on your test equipment which has been calibrated by us is stored in our database. In this way it is possible to make trend calculations. You will therefore get an overview of the long-term stability and trend behaviour of your test equipment and the necessary recalibration period can easily be determined and specified.

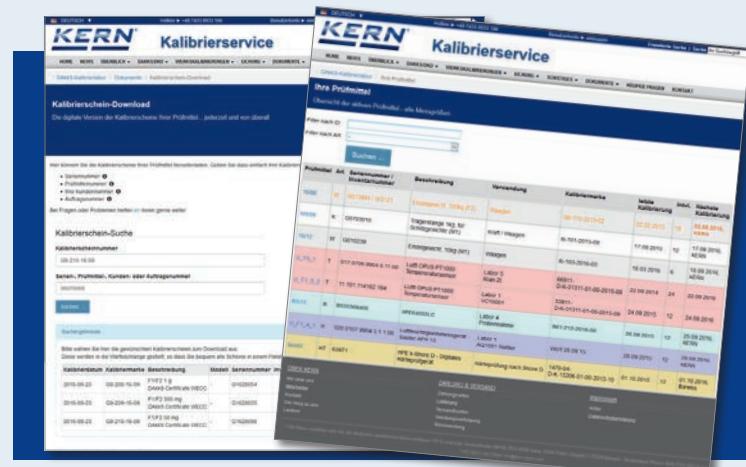
Paperless documentation

So that there is no administrative effort, we can handle all calibration documentation in a paperless process. From quotation, through to order confirmation, delivery note and invoice right up to calibration certificate, you will receive all documents by e-mail or you can retrieve them online. Would you prefer to receive your certificate or your invoice, for example, in paper form? Of course this is not a problem either.

We will send you everything you require by post.

Calibration certificate download

Using our download service you can easily download your calibration certificates as soon as the calibration work is complete and you will have access to them at any time in the future. Simply create your user account on www.kern-lab.com and you will never need to look for your certificates again.



KERN® KERN & Sohn GmbH
Alteste europäische Feinwaagen und Gewichtsfabrik seit 1844
Oldest European Manufacturer of Precision Balances since 1844

akkreditiert durch die / accredited by the
Deutsche Akkreditierungsstelle GmbH

als Kalibrierlaboratorium im / as calibration laboratory in the
Deutschen Kalibrierdienst **DKD**

Kalibrierschein
Calibration certificate

Gegenstand
Object

Kerngewicht, 1 mg - 1 kg
Klasse E2
Self weights, 1 mg - 1 kg
Class E2

Hersteller
Manufacturer

KERN & Sohn GmbH
Ziegelrei 1
D-72336 Balingen
Germany

Typ
Type

313-052

Fabrikat/Serien-Nr.
Serial number

G123456789

Auftraggeber
Customer

Mustermann GmbH
Teststr. 1
42446 Münsterstadt
Deutschland

Auftragsnummer

2014-123456789

Kalibrierverfahren:
Calibration method

Die Kalibrierung erfolgte durch Vergleich mit den Bezugsnormen des Kalibrierlaboratoriums nach der Substitutionsmethode mit Auftriebskorrektur.
The calibration ensued through comparison with the reference standards of the calibration laboratory using the substitution method with air buoyancy correction.

Umgebungsbedingungen:
Ambient conditions

Die Kalibrierung wurde bei folgenden Umgebungsbedingungen ausgeführt:
The calibration was carried out under the following ambient conditions:

	von from	bis to	Unsicherheit uncertainty
Temperatur (°C) temperature	22,9	24,1	0,1
rel. Luftfeuchte (%) relative humidity	48,5	53,4	2,0
Luftdruck (hPa) air pressure	942,5	948,5	0,3

Referenzgewichte:
Standard weights

G1-123-D-K-19408-01-00-2014-05

Material / angenommene Dichte:
Material / assumed density

Nennwert nominal value	Dichte density	Unsicherheit uncertainty	Material material	Form shape
1 mg - 500 mg	7950 kg/m³	140 kg/m³	Edelstahl Stainless steel	Draht Wire
1 g - 1 kg	8000 kg/m³	100 kg/m³	Edelstahl Stainless steel	Knopf Cylindrical form

Messergebnisse:
Measurement results:

Nennwert nominal value	Kennzeichnung marking	konventioneller Wagewert conventional mass	Unsicherheit k=2 uncertainty	Fehlergrenze max. perm. error	Klasse* class*
1 mg		1 mg + 0,0010 mg	0,0020 mg	± 0,0060 mg	E2 ✓
2 mg		2 mg + 0,0005 mg	0,0020 mg	± 0,0060 mg	E2 ✓
2 mg	*	2 mg + 0,0016 mg	0,0020 mg	± 0,0060 mg	E2 ✓
5 mg		5 mg + 0,0010 mg	0,0020 mg	± 0,0060 mg	E2 ✓
10 mg		10 mg + 0,0009 mg	0,0020 mg	± 0,0080 mg	E2 ✓
20 mg		20 mg - 0,001 mg	0,003 mg	± 0,010 mg	E2 ✓
20 mg	*	20 mg + 0,001 mg	0,003 mg	± 0,010 mg	E2 ✓
50 mg		50 mg + 0,001 mg	0,004 mg	± 0,012 mg	E2 ✓
100 mg		100 mg + 0,001 mg	0,005 mg	± 0,016 mg	E2 ✓
200 mg		200 mg + 0,002 mg	0,006 mg	± 0,020 mg	E2 ✓
200 mg	*	200 mg + 0,003 mg	0,006 mg	± 0,020 mg	E2 ✓
500 mg		500 mg + 0,005 mg	0,008 mg	± 0,025 mg	E2 ✓
1 g		1 g + 0,002 mg	0,010 mg	± 0,030 mg	E2 ✓
2 g		2 g + 0,002 mg	0,013 mg	± 0,040 mg	E2 ✓
2 g	*	2 g + 0,002 mg	0,013 mg	± 0,040 mg	E2 ✓
5 g		5 g + 0,010 mg	0,016 mg	± 0,050 mg	E2 ✓
10 g		10 g - 0,007 mg	0,020 mg	± 0,060 mg	E2 ✓
20 g		20 g + 0,005 mg	0,026 mg	± 0,080 mg	E2 ✓
20 g	*	20 g + 0,015 mg	0,028 mg	± 0,080 mg	E2 ✓
50 g		50 g + 0,02 mg	0,03 mg	± 0,10 mg	E2 ✓
100 g		100 g + 0,01 mg	0,05 mg	± 0,16 mg	E2 ✓
200 g		200 g + 0,05 mg	0,10 mg	± 0,30 mg	E2 ✓
200 g	*	200 g - 0,00 mg	0,10 mg	± 0,30 mg	E2 ✓
500 g		500 g + 0,10 mg	0,26 mg	± 0,80 mg	E2 ✓
1 kg		1 kg + 0,1 mg	0,5 mg	± 1,6 mg	E2 ✓

DAkkS calibration certificate for test weights (extract)

For more details on our calibration service and other useful information, please see the internet on www.kern-lab.com

- 1 Official document
- 2 Item to be calibrated
- 3 Traceability, see page 201
- 4 Identification/Applicant
- 5 Environmental conditions
- 6 Metrological component
- 7 Conventional mass
- 8 Measuring uncertainty, see page 201

Traceable KERN test weights – Calibration of test weights

Calibrated measuring equipment requires calibrated checking equipment. For balances, these are calibrated test weights, also called "standard weights".

KERN will calibrate your test weights

- In all classes with permissible error limits E1 – M3 according to OIML R111-2004 (for tolerance tables, see page 190), in sizes 1 mg to 2500 kg.
- With free nominal value
- Newton (N)
- Independent of design (special designs)

The advantages of using the KERN in-house calibration

You send your test weights to us.

- Excellent price performance ratio
- The quickest processing time
 - DAkkS standard service: 4 working days
 - DAkkS express service: 48 hrs (new weights)
- The most modern calibration methods with robot controlled comparators allow the most accurate calibration results and fastest throughput time
- KERN DAkkS calibration certificates are internationally recognised
- A calibration service which is independent of the brand
- KERN also reconditions existing customer weights (e.g. cleaning or readjustment)
- On request, we can also provide a pick-up and collection service with our parcel service

The advantages of using the KERN on-site calibration

We visit you.

We would be pleased to visit you within Germany and carry out the calibration of your reference standards to OIML classes M1 – M3, 10 kg - 2500 kg with permissible error limits, using our mobile MACOS system. Minimized downtime of your checking equipment and direct contact with our expert are the major benefits of this service. Price on request.

Recalibration

- The recalibration schedule depends on the frequency of use, the conditions of use and the safety requirements.
- In terms of standardisation, no particular recalibration interval is specified.
- We would recommend that you recalibrate your test weights every 6 months if they are used intensively, and every 12 months with normal use.
- We would be pleased to monitor your recalibration schedule.



Note:

For more information on this subject, please see our KERN DAkkS calibration service brochure or visit www.kern-lab.com

Recalibration price of test weights (DAkkS calibration)

Class acc.	→	E1 with volume determination		E1 without volume determination		E2		F1/F2 * F2 only		M1/M2/M3	
Nominal value	↓	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works
1 mg	-	-	962-251R	52,-	962-351R	26,-	962-451R	18,-	962-651R	15,-	
2 mg	-	-	962-252R	52,-	962-352R	26,-	962-452R	18,-	962-652R	15,-	
5 mg	-	-	962-253R	52,-	962-353R	26,-	962-453R	18,-	962-653R	15,-	
10 mg	-	-	962-254R	52,-	962-354R	26,-	962-454R	18,-	962-654R	15,-	
20 mg	-	-	962-255R	52,-	962-355R	26,-	962-455R	18,-	962-655R	15,-	
50 mg	-	-	962-256R	52,-	962-356R	26,-	962-456R	18,-	962-656R	15,-	
100 mg	-	-	962-257R	52,-	962-357R	26,-	962-457R	18,-	962-657R	15,-	
200 mg	-	-	962-258R	52,-	962-358R	26,-	962-458R	18,-	962-658R	15,-	
500 mg	-	-	962-259R	52,-	962-359R	26,-	962-459R	18,-	962-659R	15,-	
1 g	963-231	193,-	962-231R	52,-	962-331R	26,-	962-431R	18,-	962-631R	15,-	
2 g	963-232	193,-	962-232R	52,-	962-332R	26,-	962-432R	18,-	962-632R	15,-	
5 g	963-233	193,-	962-233R	52,-	962-333R	26,-	962-433R	18,-	962-633R	15,-	
10 g	963-234	193,-	962-234R	52,-	962-334R	26,-	962-434R	18,-	962-634R	15,-	
20 g	963-235	193,-	962-235R	52,-	962-335R	26,-	962-435R	18,-	962-635R	15,-	
50 g	963-236	193,-	962-236R	52,-	962-336R	26,-	962-436R	18,-	962-636R	15,-	
100 g	963-237	193,-	962-237R	52,-	962-337R	33,-	962-437R	20,-	962-637R	16,-	
200 g	963-238	193,-	962-238R	52,-	962-338R	33,-	962-438R	20,-	962-638R	16,-	
500 g	963-239	193,-	962-239R	52,-	962-339R	33,-	962-439R	20,-	962-639R	16,-	
1 kg	963-241	193,-	962-241R	52,-	962-341R	33,-	962-441R	20,-	962-641R	16,-	
2 kg	963-242	465,-	962-242R	64,-	962-342R	41,-	962-442R	25,-	962-642R	17,-	
5 kg	963-243	465,-	962-243R	64,-	962-343R	41,-	962-443R	25,-	962-643R	17,-	
10 kg	963-244	465,-	962-244R	64,-	962-344R	41,-	962-444R	25,-	962-644R	17,-	
20 kg	963-245	1160,-	962-245R	590,-	962-345R	52,-	962-445R	28,-	962-645R	22,-	
50 kg	963-246	1360,-	962-246R	660,-	962-346R	64,-	962-446R	39,-	962-646R	24,-	
100 kg	-	-	-	-	-	-	962-591R*	116,-	962-691R	63,-	
200 kg	-	-	-	-	-	-	962-592R*	116,-	962-692R	63,-	
500 kg	-	-	-	-	-	-	962-593R*	116,-	962-693R	63,-	
1000 kg	-	-	-	-	-	-	-	-	962-694R	136,-	
2000 kg	-	-	-	-	-	-	-	-	962-695R	250,-	
1 mg - 500 mg	-	-	962-250R	350,-	962-350R	190,-	962-450R	100,-	962-650R	63,-	
1 mg - 50 g	963-201	1070,-	962-201R	560,-	962-301R	315,-	962-401R	167,-	962-601R	106,-	
1 mg - 100 g	963-202	1170,-	962-202R	580,-	962-302R	340,-	962-402R	178,-	962-602R	112,-	
1 mg - 200 g	963-203	1350,-	962-203R	630,-	962-303R	385,-	962-403R	199,-	962-603R	125,-	
1 mg - 500 g	963-204	1440,-	962-204R	660,-	962-304R	410,-	962-404R	210,-	962-604R	131,-	
1 mg - 1 kg	963-205	1530,-	962-205R	700,-	962-305R	435,-	962-405R	220,-	962-605R	137,-	
1 mg - 2 kg	963-206	2000,-	962-206R	750,-	962-306R	495,-	962-406R	250,-	962-606R	152,-	
1 mg - 5 kg	963-207	2450,-	962-207R	770,-	962-307R	530,-	962-407R	265,-	962-607R	160,-	
1 mg - 10 kg	963-208	2900,-	962-208R	800,-	962-308R	560,-	962-408R	285,-	962-608R	167,-	
1 g - 50 g	963-215	770,-	962-215R	245,-	962-315R	127,-	962-415R	67,-	962-615R	42,-	
1 g - 100 g	963-216	860,-	962-216R	270,-	962-316R	150,-	962-416R	77,-	962-616R	49,-	
1 g - 200 g	963-217	1040,-	962-217R	320,-	962-317R	196,-	962-417R	98,-	962-617R	61,-	
1 g - 500 g	963-218	1130,-	962-218R	350,-	962-318R	220,-	962-418R	109,-	962-618R	68,-	
1 g - 1 kg	963-219	1230,-	962-219R	375,-	962-319R	245,-	962-419R	119,-	962-619R	74,-	
1 g - 2 kg	963-220	1780,-	962-220R	425,-	962-320R	305,-	962-420R	151,-	962-620R	89,-	
1 g - 5 kg	963-221	2230,-	962-221R	450,-	962-321R	340,-	962-421R	166,-	962-621R	96,-	
1 g - 10 kg	963-222	2690,-	962-222R	485,-	962-322R	370,-	962-422R	182,-	962-622R	104,-	

Additional costs for preparation, overhaul and adjustment before the calibration		
Preparation of weights (e.g. cleaning, etc.)		
Single weight	969-001R	3,-
Weight set	969-002R	16,-
Subsequent services are carried out after confirmation		
Continued overhaul of weights (e.g. wet-cleaning, markings, repair, special packaging, adjustment E1 (DAkkS only), E2 ...)	969-005R	T & M basis
Adjustment, per weight only available for weights with adjustment chamber (F1 - M3)	969-010R	12,-
Second calibration after adjustment or substitution, per weight		
Class E1	969-210R	40,-
Class E1 incl. volume determination	969-211R	80,-
Class E2	969-310R	14,-
Class F1/F2	969-410R	14,-
Class M1-M3	969-610R	14,-
Testing of magnetic properties according to OIML R111-2004, per weight	972-000	12,-
Calibration of NON-OIML test weights, additional price per weight	-	8,-

KERN DAkkS Express Service		
DAkkS standard service Class E2 - M3		4 working days
DAkkS standard service Class E1, 1 mg - 500 mg, and recalibration 1 g - 10 kg with a known volume		10 working days
Class E1, 1 g - 2 kg, incl. volume determination (new weights)		15 working days

 48 HRS	DAkkS Express service in 48 hours except for class E1
<ul style="list-style-type: none"> • Urgent order is received at KERN by 12:00 noon at the latest • Ready for shipping at KERN within two working days, at 12:00 noon • Return by standard parcel service or express shipping (Costs and processing time on request) • Additional cost for DAkkS Express Service, for each KERN test weight KERN 962-115 € 20,- • For Express shipping, see page 192 	

Verification prices for test weights and (crane) scales

Class acc. → OIML R111-2004	E2 with verification certificate		F1/F2 with verification certificate		M1 with verification certificate	
Nominal value ↓	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works	KERN	Price € excl. of VAT ex works
1 mg	952-351	40,-	952-451	35,-	952-651	24,-
2 mg	952-352	40,-	952-452	35,-	952-652	24,-
5 mg	952-353	40,-	952-453	35,-	952-653	24,-
10 mg	952-354	40,-	952-454	35,-	952-654	24,-
20 mg	952-355	40,-	952-455	35,-	952-655	24,-
50 mg	952-356	40,-	952-456	35,-	952-656	24,-
100 mg	952-357	40,-	952-457	35,-	952-657	24,-
200 mg	952-358	40,-	952-458	35,-	952-658	24,-
500 mg	952-359	40,-	952-459	35,-	952-659	24,-
1 g	952-331	40,-	952-431	35,-	952-631	24,-
2 g	952-332	40,-	952-432	35,-	952-632	24,-
5 g	952-333	40,-	952-433	35,-	952-633	24,-
10 g	952-334	40,-	952-434	35,-	952-634	24,-
20 g	952-335	40,-	952-435	35,-	952-635	24,-
50 g	952-336	40,-	952-436	35,-	952-636	24,-
100 g	952-337	45,-	952-437	35,-	952-637	24,-
200 g	952-338	45,-	952-438	36,-	952-638	24,-
500 g	952-339	45,-	952-439	36,-	952-639	24,-
1 kg	952-341	45,-	952-441	36,-	952-641	24,-
2 kg	952-342	51,-	952-442	40,-	952-642	25,-
5 kg	952-343	51,-	952-443	40,-	952-643	25,-
10 kg	952-344	51,-	952-444	40,-	952-644	32,-
20 kg	952-345	59,-	952-445	42,-	952-645	36,-
50 kg	952-346	67,-	952-446	50,-	952-646	37,-
1 mg - 500 mg	952-350	200,-	952-450	105,-	952-650	66,-
1 mg - 50 g	952-301	330,-	952-401	175,-	952-601	111,-
1 mg - 100 g	952-302	360,-	952-402	187,-	952-602	117,-
1 mg - 200 g	952-303	405,-	952-403	210,-	952-603	131,-
1 mg - 500 g	952-304	430,-	952-404	220,-	952-604	137,-
1 mg - 1 kg	952-305	455,-	952-405	230,-	952-605	144,-
1 mg - 2 kg	952-306	520,-	952-406	260,-	952-606	159,-
1 mg - 5 kg	952-307	560,-	952-407	280,-	952-607	168,-
1 mg - 10 kg	952-308	590,-	952-408	300,-	952-608	175,-
1 g - 50 g	952-315	133,-	952-415	76,-	952-615	50,-
1 g - 100 g	952-316	157,-	952-416	81,-	952-616	54,-
1 g - 200 g	952-317	205,-	952-417	103,-	952-617	64,-
1 g - 500 g	952-318	235,-	952-418	114,-	952-618	71,-
1 g - 1 kg	952-319	255,-	952-419	125,-	952-619	78,-
1 g - 2 kg	952-320	320,-	952-420	158,-	952-620	93,-
1 g - 5 kg	952-321	355,-	952-421	174,-	952-621	101,-
1 g - 10 kg	952-322	390,-	952-422	191,-	952-622	109,-

KERN verification delivery time		
Standard verification service Class E2 - M1	6 working days	
Additional costs for preparation, overhaul and adjustment before the verification	KERN	Price excl. of VAT ex works €
Preparation of weights (e.g. cleaning, etc.)		
Single weight	969-008R	3,-
Weight set	969-009R	16,-
Subsequent services are carried out after confirmation		
Continued overhaul of weights (e.g. wet-cleaning, markings, repair, special packaging, adjustment E2 ...)	969-005R	T & M basis
Adjustment, per weight only available for weights with adjustment chamber (F1/F2 - M1)	969-010R	12,-
Verification after adjustment or substitution, per weight		
Class E2	969-310R	14,-
Class F1/F2	969-410R	14,-
Class M1	969-610R	14,-

Verification prices for balances	Initial verification	Price excl. of VAT ex works €	Reverification	Price excl. of VAT ex works €
	KERN	KERN	KERN	KERN
Accuracy class I (precision balances)¹⁾				
[Max] ≤ 5 kg ¹⁾				
	965-201	110,-	950-101R	180,-
[Max] > 5 kg ¹⁾	965-202	110,-	950-102R	230,-
Accuracy class II (precision balances)¹⁾				
[Max] ≤ 5 kg ¹⁾				
	965-216	66,-	950-116R	90,-
[Max] > 5 kg - 50 kg ¹⁾	965-217	77,-	950-117R	110,-
[Max] > 50 kg - 350 kg ¹⁾	965-218	110,-	950-118R	170,-
Accuracy class III-IV¹⁾				
Bench scales and industrial scales (excl. crane scales)				
[Max] ≤ 5 kg ¹⁾	965-227	55,-	950-127R	86,-
[Max] > 5 kg - 50 kg ¹⁾	965-228	55,-	950-128R	86,-
[Max] > 50 kg - 350 kg ¹⁾	965-229	93,-	950-129R	138,-
[Max] > 350 kg - 1500 kg ¹⁾	965-230	132,-	950-130R	200,-
[Max] > 1500 kg - 2900 kg ¹⁾	965-231	220,-	950-131R	280,-
[Max] > 2900 kg - 6000 kg ¹⁾	965-232	320,-	950-132R	430,-
Crane scales				
[Max] > 50 kg - 350 kg ¹⁾	950-129H	105,-	950-129HR	150,-
[Max] > 350 kg - 1500 kg ¹⁾	950-130H	200,-	950-130HR	250,-
[Max] > 1500 kg - 2900 kg ¹⁾	950-131H	270,-	950-131HR	360,-
[Max] > 2900 kg - 6000 kg ¹⁾	950-132H	500,-	950-132HR	550,-
[Max] > 6000 kg - 12000 kg ¹⁾	950-133H	700,-	950-133HR	870,-
[Max] > 12000 kg - 31000 kg ²⁾	-	-	950-134HR	1060,-
[Max] > 31000 kg - 50000 kg ²⁾	-	-	950-135HR	1060,-

¹⁾ Processing time 4 working days, ²⁾ Processing time 15 working days

Calibration prices for other measuring instruments

DAkkS calibration

Force gauges, tensile force	Initial calibration Tensile force KERN	Recalibration Tensile force KERN	Price excl. of VAT ex works €
Force gauges [Max] 300 N, 400 N, 500 N	963-161	963-161R	250,-

Factory calibration (ISO calibration)

Force gauges, tensile force	Initial calibration Tensile force KERN	Recalibration Tensile force KERN	Price excl. of VAT ex works €
Force gauges [Max] ≤ 500 N	961-161	961-161R	135,-
Force gauges [Max] > 500 N - 2 kN	961-162	961-162R	165,-
Force gauges [Max] > 2 kN - 10 kN	961-163	961-163R	225,-
Force gauges [Max] > 10 kN - 20 kN	961-164	961-164R	350,-
Force gauges [Max] > 20 kN - 50 kN	961-165	961-165R	520,-
Force gauges [Max] > 50 kN - 120 kN	961-166	961-166R	940,-

Force gauges, compression force	Initial calibration Compression force KERN	Recalibration Compression force KERN	Price excl. of VAT ex works €
Force gauges [Max] > 50 N - 500 N	961-261	961-261R	135,-
Force gauges [Max] > 500 N - 2 kN	961-262	961-262R	165,-
Force gauges [Max] > 2 kN - 5 kN	961-263	961-263R	225,-

Force gauges, tensile and compression force	Initial calibration Tensile force/ Compression force KERN	Recalibration Tensile force/ Compression force KERN	Price excl. of VAT ex works €
Force gauges [Max] > 50 N - 500 N	961-361	961-361R	245,-
Force gauges [Max] > 500 N - 2 kN	961-362	961-362R	300,-
Force gauges [Max] > 2 kN - 5 kN	961-363	961-363R	405,-

Mechanical hanging scales	Initial calibration KERN	Recalibration KERN	Price excl. of VAT ex works €
Mechanical hanging scales (spring scales) [Max] ≤ 5 kg	961-100	961-100R	72,-
Mechanical hanging scales [Max] > 5 kg - 50 kg	961-101	961-101R	88,-
Mechanical hanging scales [Max] > 50 kg - 350 kg	961-102	961-102R	105,-
Mechanical hanging scales [Max] > 350 kg - 1500 kg	961-103	961-103R	165,-
Mechanical hanging scales [Max] > 1500 kg - 3000 kg	961-104	961-104R	220,-
Mechanical hanging scales [Max] > 3000 kg - 6000 kg	961-105	961-105R	440,-
Mechanical hanging scales [Max] > 6000 kg - 12000 kg	961-106	961-106R	500,-

Measuring instruments	Initial calibration KERN	Recalibration KERN	Price excl. of VAT ex works €
Hardness testing devices in accordance with Leeb tests (Type D)	961-131	961-131R	120,-
Coating thickness gauges 0 µm - 2000 µm (Ferro or NonFerro)	961-110	961-110R	120,-
Coating thickness gauges 0 µm - 2000 µm (Ferro and NonFerro)	961-112	961-112R	170,-
Ultrasonic material thickness testing devices 25 mm - 300 mm	961-113	961-113R	120,-
Calibration of torque wrench testing devices 2 directions of [Max] 1 Nm to 200 Nm	961-120	961-120R	170,-
Calibration of hardness testing devices in accordance with UCI	961-270	961-270R	260,-

Your advantages:

Universal use ▶ Calibration possible for variety of instruments shown in catalogue

Quick calibration ▶ duration four working days only in the calibration laboratory

Express service ▶ 48 hour delivery 48 h: **€ 50,-/instrument (excl. of VAT)**

Express shipping ▶ guaranteed delivery on the next working day (only in Germany): **€ 40,-/parcel (excl. of VAT)**



A**Accuracy classes for test weights**E, F, M ▶ **Error limit classes****Adjusting of measurement equipment**

Precise setting of a measurement value via a professional intervention in the measurement system.

Adjusting the weighing range of a balance

Either with the external test weight via the **adjusting program CAL**, or with the **internal automatic adjustment** resp. **adjusting switch**. It is necessary with variations in temperature, a change of environmental conditions, change of location, etc.

Recommended as a daily check routine.

Alibi memory

For weighings where verification is mandatory, and which are to be analysed and processed by a PC (e.g. printing out a packing list using a PC instead of a printer connected directly to the balance) electronic archiving is required by the metrological authorities by a verifiable data memory which cannot be manipulated. Alibi memories from KERN fulfil this requirement. They are for paperless archiving of weighing results. For KERN products the alibi memory is fitted inside the balance, right between where the weight is determined and the output to the PC.

All data transferred to the PC is stored with date, time and all important weights for at least three months. These stored data strings can be displayed on the balance at any time. The data in the alibi memory can be deleted, but not changed.

Application accuracy

Allowance for measuring uncertainty during practical use of a balance. Is given in the appendix to the DKD calibration certificate.

ATEX

Derived from **ATmosphère EXPlosibles**. (explosive atmosphere). A synonym for EU guidelines, which controls the quality and use of equipment in hazardous industrial environments, where there is explosion danger, e.g. by handling of flammable substances, which are present in high concentrations in the form of gas, mist, vapour or dust. See also 2014/34/EU as well as 1999/92/EU.

B**Balances which are verified/not approved for verification**

Metrologically almost identical. For verified balances certain details are regulated by law, e.g. software changes and additional markings.

C**CAL**

Adjusting the balance is triggered with an external test weight by using the CAL key on the key pad or on the touch display of the display device or the CAL menu option. This will guarantee the consistent high accuracy of the balance.

Calibration of measurement equipment

Determination of the precision of a measurement value without intervention in the measurement system. Example: to check a balance you load a ▶ **test weight** upon it. The term "Calibrating" was formerly also used for ▶ **Adjusting**.

Calibration Certificate DKD/DAkkS

See product group 18 "Calibration service"

Calibration or verification

DAkkS-Calibration is possible for every balance in perfect condition. DAkkS calibration (DKD) is a private service monitored by the state for ensuring high quality requirements according to ISO 9000ff and others, e.g. in production or research. **Verifying (conformity assessment)** is only possible for type-approved balances marked with the green **M** ▶ **Verification**

Commercial error limit

Permitted tolerance (plus and minus) of measuring devices where verification is mandatory when used within their verification validity period. This tolerance is double the permissible error limit, in so far as this is not specified otherwise in the Weights and Measures Act.

Conformity assessment

Procedure for confirming warranted characteristics in accordance with recognised rules. For balances this relates to verification.

Conformity declaration from the manufacturer

The manufacturer declares that the product fulfils the applicable EU directives. With electronic balances this is always in conjunction with the CE mark.

Control of measuring equipment in the QM system in conjunction with quality standards

An organisation certified to a quality standard such as DIN EN ISO 9001 ff. e.g. a production plant is obliged to adhere to a defined quality standard within the framework of its quality management system. To do this, it is imperative to have a measurement equipment which is working accurately. Chapter 7.1.5 "Resources for monitoring and measuring" of DIN EN ISO 9001:2015-11 states that measuring equipment must be calibrated at defined intervals and before use. The measurement devices and measurement standards needed to do this must:

- be traced back to international or national standards.

(► **Traceability to the National Standard**)

- their uncertainty of measurement must be known- they must be marked with a clear identification

- the test must be documented

The ▶ **DAkkS calibration (DKD)** fulfils all these requirements.

Conventional mass of weights

The problem is the air movement, which makes the weight appear lighter. In order to avoid this "distortion" in daily use, all weights are adjusted to the unit specifications given in R111, e.g. it is accepted that: material density of the weights is 8000 kg/m³, air density is 1.2 kg/m³ and measuring temperature is 20°C.

Counting resolution

The counting resolution is calculated in points from the ratio of the weighing range [Max] divided by the smallest part weight. It is a statement of counting accuracy.

D**DAkkS = German accreditation authority**

See product group 18 "Calibration service"

Data interface

To connect the balance to a printer, PC, network or a second balance. Typical interfaces are, for example, RS-232, RS-485, USB, Bluetooth, LAN, Digital I/O, DUAL, LAN etc. The interface parameters can be set using the balance. The interfaces available are stated in the model description.

Density determination

One of the main areas of application for laboratory balances is determining densities, e.g. determining the specific weight of liquids and solids. To do this you will need a highly accurate precision balance and a density set. It is particularly convenient if the balance can calculate and display the density right away. It has become apparent that by means of weighing when in the process of determining the density of liquids and solids according to the buoyancy method particularly accurate results can be obtained (Archimedes' principle).

a) Density determination of liquids: By means of measuring the buoyancy with a glass plummet with known volume immersed in the liquid to be measured

b) Density determination of solid bodies: The density is the ratio of weight [g] : Volume [cm³]. The weight is derived by weighing the sample in air. The volume is determined from the buoyancy A = weight loss in [g] of a sample, which is submerged in a liquid. The density D [g/cm³] of this liquid must be known. The volume [cm³] is a result of A : D.

Glossary

Applications:

- a) Pre-packaged goods control, whenever a product is sold according to its volume [cm³]. This volume is calculated with weight [g] : density [g/cm³].
- b) Materials analysis
- c) Density of porous materials



DMS = Strain gauge

An electrical resistor strip that is glued to an elastic deforming body made of aluminium. As the strain gauge is mechanically deformed its resistance value changes, allowing the measured value to be calculated.

Draught shield

Required for balances with ▶ **Readout**
 $d \leq 1 \text{ mg}$, to avoid disturbing air movements.

Dual-range balance

As the load increases, the balance switches automatically to the next largest range, for both, weighing range [Max] as well as readout [d].

E

Error limit classes for test weights according to EU directive OIML R111

For further details, see product group 17 "Test weights"

F

FACTORY

These options can only be carried out at KERN factory.



FORCE = Electromagnetic force compensation

A counterforce is created by means of a coil in a permanent magnet. This counterforce is the same as the load of the weight being measured on the scale and therefore equalising. The measured value is calculated via the change in the coil current.

G

GLP = Good Laboratory Practice

▶ ISO/GLP

Gravitational acceleration

▶ Gravitational force

Gravitational force

very important influence for precise electronic balances. Due to the varying influence balances have to be ▶ **adjusted at the location of use**.

H

HACCP

= Hazard Analysis and Critical Control Points (HACCP) The HACCP concept is a preventative system, which is designed to guarantee the safety of foodstuffs EC regulation 852/2004 mandates the use of the HACCP concept for all companies which are involved in production, processing and sales of foodstuffs.

I

ISO 9000ff/DIN EN ISO 9000ff

Quality Management System in the form of a DIN Norm for quality assurance in a factory.

ISO calibration/ISO certificate = factory calibration certificate

Testing measurement devices for accuracy in accordance with a procedure which is recognised, but not accredited.



ISO/GLP record keeping

Quality Assurance Systems demands record keeping of weighing results and correct adjusting of the balance, giving details of date, time and balance identification. The easiest way to obtain this documentation is by means of a connected printer.

J

Junction Box

For connection and simple corner adjustment of several load cells.

L

Linearity/Precision

Greatest deviation of the weight displayed of a balance with regard to the value of the respective test weight in terms of plus and minus across the whole weighing range.

M

Minimum load [Min]

Lower limit of the verifiable weighing range. Is marked on the verification mark. The function of the balance is also given below the minimum load.

Minimum sample weight

Indicates the smallest weight which can be determined, depending on the process accuracy required.

N

Newton

Newton (N) is the unit for physical force values. A Newton is the force required to accelerate a 1 kg mass at rest to a speed of 1 m/s within one second.

Notified body

Neutral and independent, predominantly government bodies, which are formally appointed by the EC. They are engaged in the field of verification for conformity evaluations (initial verification) and type-approval test within the scope of type approvals.

O

Optimisation of reference weight (when piece counting)

See product group 08 "Counting balances/Counting systems/Stocktaking scales".



Percentage determination

Example: Reference weight prior to drying:
50g = balance display 100%. After drying
40g = balance display 80% absolute (dry mass) or 20% relative (humidity).

Permissible ambient temperature

Measuring errors are possible if you use the balances outside the permitted specified ambient temperature range.
With verified balances this is stated on the identification plate.

PLU (Price Look Up)

This refers to a data memory in price-computing retail scales for the base price of sales items.

Pre-packaging legislation (FPVO)

Ensures that pre-packed goods are filled correctly, for example, in food industry.
The Weights and Measures Act governs the permissible weight and volume tolerances.

PRE-TARE

Entering and saving a tare weight (e.g. container weight) through weighing or manual entry using the balance keypad before the actual weighing process. When you subsequently place the tare container on the balance, the balance will show zero immediately – saves time. Particularly useful e.g. for checking fill levels

Proof of compatibility

This documents the verification compatibility for combinations of weighing modules such as display devices, load cells and connecting elements.

R

Readout [d]

Smallest readable weight increment on a digital display.

Recalibration

Periodic checking of the precision of measurement equipment/checking equipment (e.g. balances/weights) to control accuracy,
▶ **Control of measurement equipment**

Reference weight (when piece counting)

See product group 08 "Counting balances/Counting systems/Stocktaking scales".

Reproducibility (standard deviation)

Sequenced measure of conformity in repeated weighing (e.g. balances) subject to the same conditions. Mostly 1 [d] or less. Quality feature.

Resolution of a balance

The resolution is calculated from the weighing range [Max] divided by the readout [d], e.g. [Max] 420 g : [d] 0.001 g = 420,000 points. The resolution is a quality feature – the higher, the better.

S

SC-TECH = Single-Cell-Technology



► **FORCE**. The load cell consists of a single aluminium block, which gives a very high measurement quality.

Semi-micro balance

Analytical balance with a readout [d] = 0,01 mg

Smallest part weight when counting

The smallest piece weight, which a balance can accept for piece counting. For the relevant model, enter "g/piece" in the product data table.

T

T-FORK = Tuning fork principle



A resonating body (like a tuning fork) is electromagnetically excited, causing it to oscillate. The measured value is calculated via the change in frequency corresponding to the load of the weight being measured on the scale.

Taring, automatic

► **PRE-TARE**

Taring, subtractive

The available weighing range of a balance is reduced by the value of the tare load.

Example: weighing range of a balance

Max 6000g, Tare (= container) 470g,

available weighing range 5530g.

Test weight, external

(previously calibration weight)



For adjusting or checking the balance accuracy ► **Adjusting the weighing range**.

The external test weight can be DAkkS calibrated at any time, even afterwards, see product group 18 "Calibration Service".

Test weight, internal



Like test weight external, but installed in the balance and powered.

Totalising

Various individual weighings are added automatically to aggregate, e.g. all individual weighings of a batch.

Traceability to the National Standard

A pre-requisite for every perfect measurement is the validated comprehensive proof that the measuring equipment can be traced back to the international or national standards. In Germany the statutory binding standards are available from the PTB.

Type approval for balances

Strict process to test whether a balance fulfils the verification requirements. A balance can only be verified, if it has got a type approval from a ► **notified body**.

U

Uncertainty of measurement of a balance (= standard deviation)

Determined for each balance according to a precisely given test method and documented in the ► **Calibration certificate**. It depends on various factors, both, internal and external. Uncertainty of measurement increases by a rising charge of the balance, see product group 18 "Calibration Service"

V

Verification

Verification, in accordance with the new terminology "Conformity assessment".

Only balances with ► **EC type approval** can be evaluated for conformity. These balances have an identification plate with the green **M**. Verification is stipulated by the state and serves as consumer protection. According to the EU directive 2009/23/EG, balances must be verified if they are used as follows:

- a) in commercial trade when the price of a commodity is determined by weighing.
- b) in the manufacture of pharmaceuticals in pharmacies and analysis in pharmaceutical and medical laboratories.
- c) for official purposes.
- d) in the production of prepackaging.
- e) in medical applications.

Every balance is tested by the metrological service and stamped with a verification mark. Its accuracy within the framework of permissible standard tolerances is thereby confirmed. EU verification applies to all member states of the EU.

Verification classes of balances



Class I – Analytical balance (precision balance),

Class II – precision balance,

Class III – industrial scale (commercial scale).

Verification of a balance with adjusting program CAL EXT

The adjusting program is sealed with an official mark after the verification. Thus the verification is only valid for the specific location of use. ► **Gravitational force**

For the preparation of verification it is therefore necessary to advise the location of use and postcode. See individual model details for the information as to whether verification can be carried out in the factory or at the location of use.

Verification of a balance with automatic internal adjusting CAL INT

The above restrictions in respect of the location of use do not apply, because the automatic internal adjusting works also after verification, therefore it is not sealed. In this case, verification does not depend on the location.

Verification validity for balances

Generally 2 years for all verification classes, for control balances generally 1 year, after expiry the balance has to be re-verified.

Verification value [e]

Measure of the verification tolerance, depending on balance, mostly between 1 [d] and 10 [d] ► **Readout**

W

Weighing range [Max]

is the working range of the balance. The balance can be loaded up to the specified upper limit.

Sales conditions



All prices are valid as of January 1st 2017 until a new version of the KERN catalogue is released. In Europe, all prices do not include the applicable V.A.T.

At KERN there is no minimum order value. For orders less than € 15.00 there is no re-sale discount available. A minimum fee of € 15.00 (net) will be charged for orders less than € 15.00 (net).

Delivery Conditions: we supply ex works Balingen, e.g. the transport costs are invoiced. With our contract logistics partners we always offer you shipping at a good rate. When shipping to islands or other more distant areas, or areas which are difficult to access, the transport costs may possibly be higher, please ask for details. Any goods supplied remain KERN's property until complete payment for the goods sold has been received.



Delivery is usually via courier service.



When you see this symbol by truck, please ask for prices.

Extract from general terms and conditions:

Court of jurisdiction/Legal domicile: 72336 Balingen, Germany;
Commercial register N°: HRB 400865, AG Stuttgart;
Managing director: Albert Sauter, Martin Sauter.
For the full Terms and Conditions, please refer to the website.
www.kern-sohn.com/en/kern/agbs.html

Price changes and product changes are likely in individual cases, due to product modifications as well as error.

Sale or return: within 14 days of purchase. Not valid for order-specific adaptations such as special productions, cable extensions, special weights, etc. or test services such as calibration, verification, etc. Depending on the time and effort involved, there may be processing and storage costs, please ask for details.

Warranty: 3 years.

2 years for products with list price ≤ € 400.00

Does not apply to consumables such as batteries, rechargeable battery packs, etc.

Service



Free delivery: all orders from dealers via the KERN online shop with an order value over € 150.00 (list price) and parcel shipment, within the EU (except of MT, CY) with our parcel service (except pallet shipment) are delivered free of charge.

KERN DirectCash: The quick, secure COD procedure for protection against non-payment. With the KERN DirectCash COD system, you can safely deliver orders to end customers with unknown credit rating, with no risk of non-payment. Please request further details on this procedure.

Hire Purchase

Financing is available using KERN hire purchase – easy and convenient. Hire Purchase gives you the option of purchasing any product from the range against a simple monthly installment. The product value is financed over the period of the agreement. On payment of the last installment, the ownership of the contract item automatically transfers from the contractor to the contractee. The Hire Purchase Agreement can - if you so choose - be set for a period of between one and five years. This package includes the transfer of items as well as the guarantee for the entire transfer period.

Compared with buying the product, KERN hire purchase offers the advantage that the initial financial investment is largely unnecessary. This is particularly relevant when purchasing a number of products, for example when refitting a laboratory, a company department or a hospital ward. In addition the monthly installments constitute a direct cost and the item does not have to be capitalised by the purchaser.

After-Sales-Service



Repair service within 1 week at our plant in Balingen, transportation costs are additional. In urgent cases, if requested by customer, a replacement device will be provided until all repairs are completed; please ask.

Price reduction for a new device: if repair costs exceed the current value of the defective device, a new device will be offered for a discount price. This offer is valid only up to 2 years after warranty expiration.

Spare parts service within 48 hours, transportation costs are additional.

Marketing support



KERN catalogues, brochures, branch prospectuses – your own personalised marketing tools

This catalogue and branch prospectuses are available free of charge. A neutral version of the catalogue, without the KERN address imprint, is also available free of charge for your marketing activities, larger quantities on request.

On demand, your company logo and address can be printed on the back of the KERN catalogue free of charge, larger quantities on request. In this way you have got your own individual marketing tool.

The KERN catalogue and branch prospectuses are available in the following languages: DE, GB, FR, IT, ES.

For further details, see page 2.

Important notice



Explosion hazard or humidity

With the exception of the specially labelled models (ATEX), our balances are not suitable for rooms with a risk of explosion. Our models are also not suitable for rooms with a high level of air humidity (condensing). Please observe the applicable electrical regulations.

Earth's gravitational force

Electronic balances are subject to location regulations due to the earth's gravitational force. If location of use is changed, reverification and recalibration of the electronic balance is needed.

See the glossary, page 199 ▶ **Adjusting**

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Tradition and innovation for more than 170 years

An independent family business, KERN since already 7 generations is synonymous with quality and reliability in customer service.



► 1844

KERN is founded – precision balances are produced



► 1863

A proud Gottlieb Kern with his staff



► 1880

Pharmaceutical balance with Aesculap



► 1923

Inflation – KERN wages are paid with self printed currency



► 1980

The electronic balance ousts mechanical devices



► 1994

Accredited DKD laboratory (ISO 17025)



► 2000

New premises in Balingen



► 2002

Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards



► 2007

Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)



► 2008

Authorisation for initial verification by the manufacturer (2009/23/EU)



► 2009

Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)



► 2012

Verification point for non-automatic balances and test weights.

New customer portal
www.kern-sohn.com
goes live



► 2014

Expansion of the product range to include optical instruments (microscopes and refractometers)



► 2015

Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse

KERN & SOHN GmbH

Balances, Test weights, DAkkS Calibration laboratory

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APPROVAL FOR
MANUFACTURE
OF MEDICAL
PRODUCTS
EN 13485 and
93 / 42 / EEC

AUTHORISATION
FOR INITIAL
VERIFICATION
BY THE
MANUFACTURER
2014/31/EU

German Excellence Group
Member