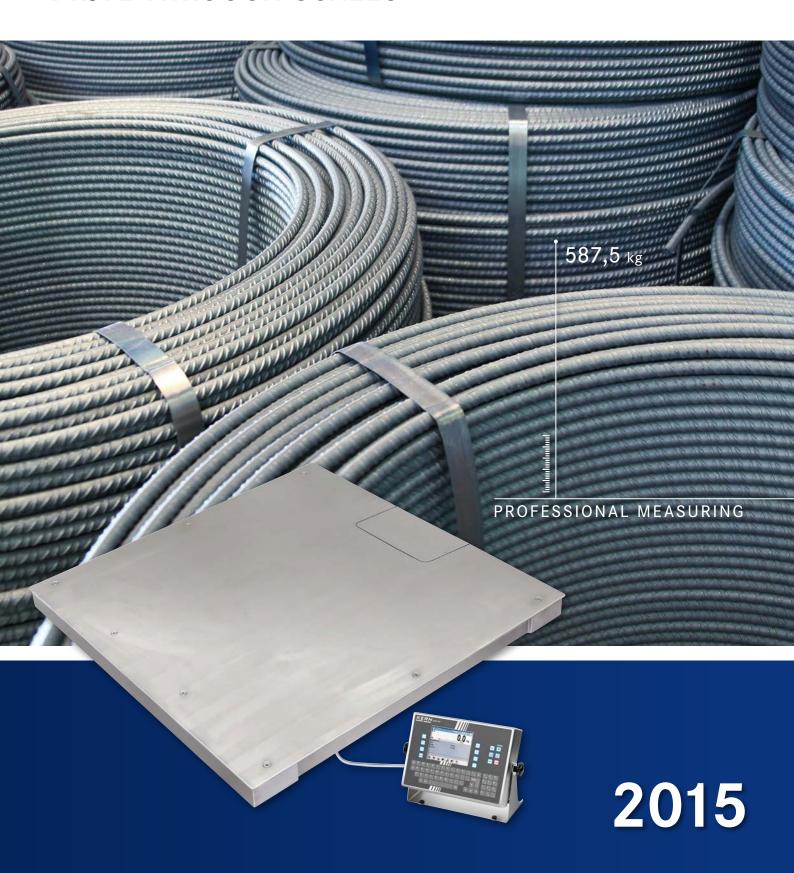


FLOOR SCALES/PALLET SCALES/DRIVE-THROUGH SCALES



KERN Pictograms



Internal adjusting:

Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).



Recipe level A:

Separate memory for the weight of the tare container and the recipe ingredients (net total).



Suspended weighing:

Load support with hook on the underside of the balance.



Adjusting program CAL:

For quick setting up of the balance's accuracy. External adjusting weight required.



Recipe level B:

Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through



Battery operation:

Ready for battery operation. The battery type is specified for each device.



Memory:

Balance memory capacity, e.g. for article data, weighing data, tare weights,



Recipe level C:

display.

Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.



Rechargeable battery pack:

Rechargeable set.



Data interface RS-232:

To connect the balance to a printer, PC or network.



Mains adapter:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available.



RS-485 data interface:

To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.



Totalising level A:

The weights of similar items can be added together and the total can be printed out.



Power supply:

Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.



USB data interface:

To connect the balance to a printer, PC or other peripherals.



Totalising level C:

Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.



Strain gauges:

Electrical resistor on an elastic deforming body.



Bluetooth data interface:

To transfer data from the balance to a printer, PC or other peripherals.



Tuning fork principle:

A resonating body is electromagnetically excited, causing it to oscillate.



WLAN data interface:

To transfer data from the balance to a printer, PC or other peripherals.



Percentage determination:

Determining the deviation in % from the target value (100 %).



Electromagnetic force compensation:

Coil inside a permanent magnet. For the most accurate weighings.



Control outputs

(optocoupler, digital I/O):

To connect relays, signal lamps, valves, etc.



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.



Single cell technology:

Advanced version of the force compensation principle with the highest level of precision.



Interface for second balance:

For direct connection of a second balance.



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.



Network interface:

For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.



Vibration-free weighing:

(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.



DAkkS calibration possible:

The time required for DAkkS calibration is shown in days in the pictogram.



GLP/ISO log:

The balance displays the weight, date and time, regardless of a printer connection.



Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram. For details see the glossary.



Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



GLP/ISO log:

With weight, date and time. Only with KERN printers, see "Accessories"



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.



Piece counting:

Reference quantities selectable. Display can be switched from piece to weight.



Stainless steel:

The balance is protected against corrosion.



Warranty:

The warranty period is shown in the pictogram.

KERN - measuring technology and testing services from a single source



Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services.



Medical scales catalogue

Complete line of medical scales, from infant scales to professional patient scales, chair scales and adiposity scales, as well as innovative hand grip dynamometres, 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 hardness measuring systems.



KERN DAkkS calibration service brochure

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



KERN branch prospectuses

Compact overview of the bestsellers for many different lines of business – just the balances your customers need!



The gnome guide

Travel report from KERN, the famous scientific gnome, who travelled all over the world, in order to illustrate the physical law of gravitational force. Ideal for use in school education — please request, it's free of charge.



170 years of KERN

Interesting and readable overview of the history of the origins of Southern German balance manufacturing, as well as the company history, which stretches right back to 1770 — please request, it's free of charge.

Your advantages



Quick Delivery

Items in stock are sent the same day if orders are placed before 1:00 pm (valid for parcel service delivery within the EC).



Price performance ratio

KERN scales are always an inexpensive alternative. They are durable, uncomplicated and easy to place into operation.



Direct dispatch

of ordered goods to your customer is available, with personalised delivery note if desired (please ask), invoice will be issued to you (third party business).



3 years warranty
Items under € 400,-



No stock-keeping necessary.KERN does the warehousing for you.





Sale or return within 14 days of purchase.

Floor scales / Pallet scales / Drive-through scales

BFB	120
Robust floor scale with EC type approval [M] – up to	6 t
BFN	121
Stainless steel floor scale in XL size with IP68 platfor	m
UFA	122
Highly versatile weighing beams for large loads – nov up to 6 t!	V
UFB	123
Mobile pallet scale with EC type approval [M]	
UFN	124
Mobile stainless steel pallet scale with EC type approval [M]	
NFB	125
Industrial drive-through scale with two integrated access ramps and EC type approval [M]	
NFN	126
Stainless steel drive-through scale with two integrated access ramps and EC type approval [M]	

BFA	127
IP67 floor scale with IP65 display, in stainless steel and EC type approval [M]	
BFS	127
IP67 floor scale with piece-counting function, 99 memories and EC type approval [M]	
BBB	127
State-of-the-art premium touchscreen floor scale with the complete range of functions for demanding processes	
BXS	128
IP67 floor scale with IP68 stainless steel display device and EC type approval [M], detachable weighing plate	e
BAN	128
Stainless steel floor scale with IP68 protection against and water splashes, extra large platform and EC type approval [M]	dust
BBN	128
State-of-the-art premium touchscreen stainless steel floor scale with the complete range of functions for	

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 specialized 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

demanding processes

The weighing ranges of bench counting scales are often not sufficient to count large quantities, units, palletized 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.

Your KERN product specialist will be happy to help:



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

ead- ut	Weighing range	Model	Price excl. of VAT	Page	BARS	M	CAL EXT	RS 232	PCS	-√+ TOL	∧- MOVE	444	INOX	ACCU
d]	[Max]	KERN	ex works €		ready for							he front f		ACCO
200 g	1	UFB 600K200M	820,-	123	shipping 2	0	1 01		•	i tile pict	03, 366 1		Tap	0
200 g		BFB 600K200SM	1130,-	120	2	0	•	•	•	•	•			0
200 g		BFS 600K-1SM	1240,-	127	5	0	•	•	•	•	•			0
200 g		NFB 600K200M	1290,-	125	2	0	•	•	•	•	•	•		0
200 g		BFB 600K200M	1310,-	120	2	0	•		•			•		0
200 g		BXS 600K-1SM	1350,-	128	2	0	•	0	•	•	•	•	•	0
200 g		NFB 600K200LM	1390,-	125	2	0	•	•	•	•	•	•		0
200 g	600 kg	BFA 600K-1SM	1390,-	127	5	0	•	0	•	•	•	•	•	0
200 g	600 kg	BXS 600K-1M	1550,-	128	2	0	•	0	•	•	•	•	•	0
200 g		UFN 600K200IPM	1570,-	124	2	0	•	0	•	•		•	•	•
200 g		BFS 600K-1M	1620,-	127	5	0	•	•	•	•				0
200 g		BFA 600K-1M	1790,-	127	5	0	•	0	•	•	•	•	•	0
200 g		BFN 600K-1SM	2430,-	121	2	0	•	0	•	•		•	•	•
200 g		NFN 600K-1M	2720,-	126	2	0	•	0	•	•		•	•	0
200 g		BAN 600K-1SM	2790,-	128	5	0	•	0	•	•	•	•	•	0
200 g		BBB 600K-1SM	3260,-	127	5	0	•	•	•	•	•	•	•	
200 g 200 g		BBB 600K-1M BBN 600K-1SM	3650,- 4740,-	127 128	5 2	0	•	•	•	•	•	•	•	
200 g 500 g		UFB 1.5T0.5M	820,-	128	2	0	•	•	•	•	•			0
500 g		UFA 1.5T0.5	850,-	123	2		•	•	•	•	•			0
500 g		BFB 1.5T0.5SM	1130,-	120	2	0	•	•	•	•	•			0
500 g		BFS 1T-4SM	1240,-	127	5	0	•	•	•		•			0
500 g		BFB 1.5T0.5M	1290,-	120	2	0	•		•			•		0
500 g	· · · · · · · · · · · · · · · · · · ·	NFB 1.5T0.5M	1290,-	125	2	0	•	•	•	•	•	•		0
500 g		BXS 1.5T-4SM	1350,-	128	2	0	•	0	•	•		•	•	0
500 g	1,5 t	NFB 1.5T0.5LM	1390,-	125	2	0	•	•	•	•	•	•		0
500 g	1,5 t	BFA 1T-4SM	1390,-	127	5	0	•	0	•	•		•	•	0
500 g		BXS 1.5T-4M	1550,-	128	2	0	•	0	•	•	•	•	•	0
500 g	1,5 t	UFN 1.5T0.5IPM	1570,-	124	2	0	•	0	•	•		•	•	•
500 g		BFS 1T-4M	1620,-	127	5	0	•	•	•	•	•			0
500 g		BFA 1T-4M	1790,-	127	5	0	•	0	•	•	•	•	•	0
500 g	· · · · · · · · · · · · · · · · · · ·	BFN 1T-4SM	2430,-	121	2	0	•	0	•	•		•	•	•
500 g	· · · · · · · · · · · · · · · · · · ·	NFN 1.5T-4M	2720,-	126	2	0	•	0	•	•	•	•	•	0
500 g		BFN 1.5T0.5M	3080,-	121	5	0	•	0	•	•	•	•	•	•
500 g	· · · · · · · · · · · · · · · · · · ·	BBB 1T-4SM BAN 1T-4SM	3280,-	127 128	5	0	•	0	•	•	•	•	•	0
500 g 500 g		BAN 1T-45M	3450,- 3450,-	128	5	0	•	0	•	•	•	•	•	0
500 g		BBB 1T-4M	3650,-	127	5	0	•	•	•	•	•			
500 g		BBN 1T-4SM	5390,-	128	2	0	•	•	•	•	•			
500 g		BBN 1T-4M	5390,-	128	2	0	•	•	•	•	•			
1000 g		UFA 3T1	850,-	122	2		•	•	•	•	•	•		0
1000 g		UFA 3T-3L	990,-	122	2		•	•	•	•	•	•		0
1000 g		BFB 3T1M	1290,-	120	2	0	•	•	•	•	•	•		0
1000 g		BFB 3T1LM	1490,-	120	2	0	•	•	•	•	•	•		0
1000 g		BXS 3T-3M	1550,-	128	2	0	•	0	•	•		•	•	0
1000 g		BFS 3T-3M	1620,-	127	5	0	•	•	•	•	•			0
1000 g		BFS 3T-3LM	1780,-	127	5	0	•	•	•	•				0
1000 g		BFA 3T-3M	1790,-	127	5	0	•	0	•	•	•	•	•	0
1000 g		BFA 3T-3LM	1930,-	127	5	0	•	0	•	•	•	•	•	0
1000 g		BFN 3T-3M	3150,-	121	2	0	•	0	•	•		•	•	•
1000 g		BAN 3T-3M	3480,-	128	5	0	•	0	•	•	•	•	•	0
1000 g		BBB 3T-3M	3650,-	127	5	0	•	•	•	•	•	•	•	
1000 g		BBB 3T-3LM	3820,-	127	5	0	•	•	•	•	•	•	•	-
1000 g		BBN 3T-3M	5430,-	128	2	0	•	•	•	•	•	•	•	
2000 g		UFA 6T-3 UFA 6T-3L	1190,-	122 122	2		•	•	•	•	•	•		0
2000 g 2000 g		BFB 6T-3M	1490,-	122	2 2	0	•	•	•	•	•			0
2000 g		BFS 6T-3M	1950,-	120	5	0	•	•	•	•	•	-	\vdash	0
2000 g		BFA 6T-3M	2050,- 2190,-	127	5	0	•	0	•	•	•	•	•	0
2000 g	6 t	BBB 6T-3M	4090,-	127	5	0	•	•	•	_	•		•	- `

● = Standard O = Option





Robust floor scale with EC type approval [M] - up to 6 t

Features

- · Weighing bridge made of non-slip steel chequer plate, lacquered, overall height 80 mm
- 3 4 load cells steel, silicone-coated, dust and spray protection IP67
- Easy access to the junction box from the top
- Comfortable levelling of the weighing bridge from above
- Display device KERN KFB-TM, for details see page 134
- Benchtop stand incl. wall mount for display device as standard
- . Totalising of weights and piece counts

Technical data

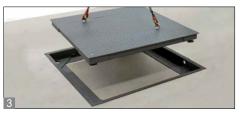
- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions WxDxH
- 1000x1000x80 mm 1500x1250x80 mm 3 1500x1500x80 mm 1500x1500x130 mm
- · Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- Protective working cover over the display device standard, can be retrofitted, KERN KFB-A02, € 30,-
- Signal lamp for visual support of weighing with tolerance range, for details see page 160, KERN CFS-A03, € 250,-
- Stand to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07, € 115,-
- · Pair of base plates to fix the weighing bridge to the floor, for models with weighing plate size
- III, III KERN BFS-A06, € 60,-
- **IIII** KERN BFS-A10, **€ 60,-**
- Stable pit frame for weighing bridge installation, allowing for easy access for models with weighing plate size
- WxD 1085x1085 mm, KERN BFS-A03, € 210,-
- WxD 1335x1585 mm, KERN BFS-A04, € 250,-WxD 1585x1585 mm, KERN BFS-A08, € 250,-
- · Rechargeable battery pack internal, operating time up to 35 h, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01, € 35,-







Note: With verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a base plates or a pit

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

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

- Ascending ramp, not included, for models with weighing plate size
- WxDxH 1000x750x85 mm,
- KERN BFS-A01, € 280,-
- WxDxH 1250x750x85 mm,
- KERN BFS-A02, € 350,-WxDxH 1500x750x85 mm,
- KERN BFS-A09, € 380,-
- WxDxH 1500x750x121 mm,
- KERN BFS-A11, € 450,-
- · Large display with superior display size, Digit height 76 mm. WxDxH 541x55x180 mm, for details see page 160, KERN YKD-A02, € 200,-
- Cable with special length 15 m, between display device and platform, must be ordered at purchase, KERN BFB-A03, € 150,-
- Suitable printers and an extensive accessories range see page 157 ff.

STANDARD







































DAkkS +3 DAYS

OPTION





Model	Weighing	Readout	Verification	Minimum	Net weight	Weighing	Price		Op:	tions	
	range		value	load		plate	excl. of VAT	Verific	ation	DAkkS Calib	r. Certificate
	[Max]	[d]	[e]	[Min]	approx.		ex works	MIII		DAkkS	
KERN	kg	g	g	g	kg		€	KERN	€	KERN	€
BFB 600K200SM	600	200	200	4000	85	Α	1130,-	965-230	132,-	963-130	165,-
BFB 600K200M	600	200	200	4000	135	В	1310,-	965-230	132,-	963-130	165,-
BFB 1.5T0.5SM	1500	500	500	10000	85	Α	1130,-	965-230	132,-	963-130	165,-
BFB 1.5T0.5M	1500	500	500	10000	135	В	1290,-	965-230	132,-	963-130	165,-
BFB 3T1M	3000	1000	1000	20000	135	В	1290,-	965-232	320,-	963-132	440,-
BFB 3T1LM	3000	1000	1000	20000	160	С	1490,-	965-232	320,-	963-132	440,-
BFB 6T-3M	6000	2000	2000	40000	210	D	1950,-	965-232	320,-	963-132	440,-









Note: With verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a base plates or a pit frame

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

Stainless steel floor scale in XL size with IP68 platform

Features

- Weighing bridge entirely out of stainless steel, extremely resistant to bending because of its high material thickness. Weighing plate fixed with stainless steel screws. Weighing bridge can also available as component without display device, KERN KFP-V40, for details see page 141
- Easy access to the junction box from the top
- Load cell stainless steel, welded, IP68
- Display device KERN KFN-TM, stainless steel, IP65, for details see page 136
- Benchtop stand incl. wall mount for display device as standard
- · Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading
- . Totalising of weights and piece counts
- Your support for an HACCP-compliant quality system

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions WxDxH
- 3 1000x1000x80 mm
- 3 1500x1250x80 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Rechargeable battery pack internal, standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C / 40 °C

Accessories

• Stand to elevate display device, stainless steel, height-adjustable, height of stand 75-100 cm, KERN BFN-A04, € 250,-

- Macending ramp, stainless steel, incl. attachment plate to fix it to the weighing bridge, for models with weighing plate size **WxDxH** 1250x750x85 mm, KERN BFN-A01, € 1020,-WxDxH 1000x750x85 mm, KERN BFN-A05, € 950,-
- · Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03, € 70,-
- Stable pit frame for weighing bridge installation, allowing for easy access stainless steel, dimensions WxDxH 1335x1585x80 mm, only for models with weighing plate size I, KERN BFN-A02, € 730,-
- Data interface RS-232, interface cable included, must be ordered at purchase, KERN KFN-A01, € 95,-
- Cable with special length 15 m, between display device and platform, must be ordered at purchase, KERN BFB-A03, € 150,-
- Suitable printers and further, extensive accessories from page 157 ff.





































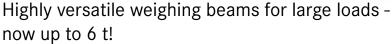






Model	Weighing	Readout	Verification	Minimum	Net weight	Weighing	Price		Opt	ions	
	range		value	load		plate	excl. of VAT	Verific	cation	DAkkS Calib	r. Certificate
	[Max]	[d]	[e]	[Min]	approx.		ex works	MIII		DAkkS	
KERN	kg	g	g	kg	kg		€	KERN	€	KERN	€
BFN 600K-1SM	600	200	200	4	85	Α	2430,-	965-230	132,-	963-130	165,-
BFN 1T-4SM	1500	500	500	10	85	Α	2430,-	965-230	132,-	963-130	165,-
BFN 1.5T0.5M	1500	500	500	10	135	В	3080,-	965-230	132,-	963-130	165,-
BFN 3T-3M	3000	1000	1000	20	135	В	3150,-	965-232	320,-	963-132	440,-





Features

- Ideal for weighing large, bulky or long items
- High mobility: thanks to battery operation (optional) and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- Sturdy handles for transporting the weighing beams
- · Weighing beams steel, lacquered, solid steel construction, extremely resistant to bending
- Load cells steel, silicone-coated, IP67 protection
- Display device KERN KFB-TM, for details see page 134
- III Models with suffix -L: Each weighing beam has a roller and handle for easy transport of the scale
- Totalising of weights and piece counts
- Benchtop stand incl. wall mount for display device as standard
- Weighing beams also available as components without the display device, for additional information see page 140 STANDARD

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing beams dimensions WxDxH
- 3 1200x120x100 mm
- 3 1200x163x80 mm
- 3000x120x100 mm
- **2100x160x85 mm**
- · Dimensions of display device WxDxH 250x160x58 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 over the display device standard, can be retrofitted, KERN KFB-A02, € 30,-
- **Stand** to elevate display device, height of stand approx. 750 mm, KERN BFS-A07, € 115,-
- · Rechargeable battery pack internal, operating time up to 35 h, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01, € 35,-





- Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs
- Signal lamp for visual support of weighing with tolerance range, for details see page 160, KERN CFS-A03, € 250,-
- · Large display with superior display size, digit height 76 mm. WxDxH 541x55x180 mm, details see page 160, KERN YKD-A02, € 200,-
- Y cable for parallel connection of two terminal devices to the RS-232 interface on the scale e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- Cable with special length 15 m, between display device and platform, for models with EC type approval, this must be ordered at the time of purchase, KERN BFB-A03, € 150,-
- Suitable printers see page 157 ff.































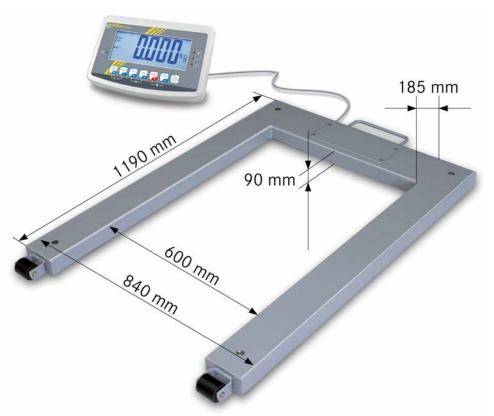








Model	Weighing range	Readout	Reproducibility	Linearity	Net weight	Weighing plate	Price excl. of VAT	- 1	ion r. Certificate
KERN	[Max] kg	[d] g	g	g	per beam kg		ex works €	DAkkS KERN	€
UFA 1.5T0.5	1500	500	500	± 1000	16	Α	850,-	963-130	165,-
UFA 3T1	3000	1000	1000	± 2000	16	А	850,-	963-132	440,-
UFA 3T-3L	3000	1000	1000	± 2000	30	C	990,-	963-132	440,-
UFA 6T-3	6000	2000	2000	± 4000	39	В	1190,-	963-132	440,-
UFA 6T-3L	6000	2000	2000	± 4000	60	D	1490,-	963-132	440,-







Mobile pallet scale with EC type approval [M]

Features

- High mobility: thanks to battery operation (optional) and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- 2 rollers and handle for easy transport of the scale
- Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading or the rapid checking of items on palettes
- Totalising of weights
- M 4 load cells steel, silicone-coated, IP67
- · Solid steel construction load support lacquered, extremely resistant to bending. Also available as component without the display device, KERN KFU-V20, see page 140
- Display device KERN KFB-TM, for details see page 134

• A counting scale can be connected using the data interface, and this can be used to create a high-capacity counting system for counting very small parts in largest quantities

Technical data

- Large backlit LCD display, digit height 52 mm
- Cable length of display device approx. 5 m
- Dimensions of display device WxDxH 250x160x58 mm
- Net weight approx. 43 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- Protective working cover over the display device standard, can be retrofitted, KERN KFB-A02, € 30,-
- **Stand** to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07, € 115,-

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

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

- · Rechargeable battery pack internal, operating time up to 35 h, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, € 35,-
- Signal lamp for visual support of weighing with tolerance range, WxDxH 100x180x300 mm, see page 160, KERN CFS-A03, € 250,-
- · Large display with superior display size, digit height 76 mm, WxDxH 541x55x180 mm, for details see page 160, KERN YKD-A02, € 200,-
- Y cable for parallel connection of two terminal devices to the RS-232 interface on the balance, e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- Cable with special length 15 m, between display device and platform, must be ordered at purchase, KERN BFB-A03, € 150,-
- Suitable printers see page 157 ff.

STANDARD









































Model	Weighing range	Readout	Verification	Minimum	Price		Opt	ions	
			value	load	excl. of VAT	Verification		DAkkS Calib	r. Certificate
	[Max]	[d]	[e]	[Min]	ex works	MIII		DAkkS	
KERN	kg	g	g	kg	€	KERN	€	KERN	€
UFB 600K200M	600	200	200	4	820,-	965-230	132,-	963-130	165,-
UFB 1.5T0.5M	1500	500	500	10	820,-	965-230	132,-	963-130	165,-





- Limited tare range with verifiable models (1/6 from [Max])
- Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

Mobile stainless steel pallet scale with EC type approval [M]

Features

- **High mobility:** thanks to battery operation and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- 2 rollers and handle for easy transport of the scale
- Vibration-free weighing: when the weighing conditions are unstable, a stable weight is calculated as an average value
- Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual and audible signal assists with portioning dispensing or grading
- Totalising of weights
- Your support in an HACCP-compliant quality system
- III 4 load cells steel, silicone-coated, IP67

- Solid stainless steel construction load support extremely resistant to bending. Also available as component without the display device, KERN KFU-V30, see page 140
- Display device KERN KFN-TM, stainless steel, for details see page 136

Technical data

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

Accessories

- Stand to elevate display device, stainless steel, height-adjustable, height of stand 750-1000 mm, KERN BFN-A04, € 250,-
- Data interface RS-232, interface cable included, must be ordered at purchase, KERN KFN-A01, € 95,-
- Cable with special length 15 m, between display device and platform, must be ordered at purchase, KERN BFB-A03, € 150,-
- Suitable printers and an extensive accessories range, see page 157 ff.

STANDARD





























DAkkS +3 DAYS





Model	Weighing range	Readout	Verification	Minimum	Price		Opt	ions				
			value	load	excl. of VAT	Verifi	cation	DAkkS Calibr. Certificate				
	[Max]	[d]	[e]	[Min]	ex works	MIII		DAkkS				
KERN	kg	g	g	kg	€	KERN	€	KERN	€			
UFN 600K200IPM	600	200	200	4	1570,-	965-230	132,-	963-130	165,-			
UFN 1.5T0.5IPM	1500	500	500	10	1570,-	965-230	132,-	963-130	165,-			
Note	Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											



Industrial drive-through scale with two integrated access ramps and EC type approval [M]

Features

- Robust drive-through scale for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers refuse bins etc.
- Weighing bridge made of non-slip steel chequer plate, lacquered, extremely resistant to bending. Also available as component without the display device, KERN KFD-V20, see page 139
- M 4 Load cells steel, silicone-coated. Protection against dust and water splashes IP67, temporary use in wet areas is possible
- Display device KERN KFB-TM, details see page 134

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions WxDxH
- 3 1600x1200x78 mm
- 1800x1400x78 mm
- Weighing surface, without access ramps WxD
- 3 1000x1000 mm
- **1200x1200 mm**
- Dimensions of display device WxDxH 250x160x58 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 retrofitted, KERN KFB-A02, € 30,-
- · Rechargeable battery pack internal, operating time up to 35 h without backlight,



Note: For verified scales the weighing bridge must be fixed to the floor with a base plate

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

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

charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01, € 35,-

- III Stand to elevate display device, height of stand approx. 750 mm, KERN BFS-A07, € 115,-
- Signal lamp for visual support of weighing with tolerance range, WxDxH 100x180x300 mm, see page 160, KERN CFS-A03, € 250,-
- Pair of base plates to fix the weighing bridge to the floor, KERN BFS-A06, € 60,-
- Y cable for parallel connection of two terminal devices to the RS-232 interface on the balance, e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- · Large display with superior display size, digit height 76 mm. WxDxH 541x55x180 mm, for details see page 160, KERN YKD-A02, € 200,-
- Cable with special length 15 m, between display device and platform, for verified models, this must be ordered at the time of purchase, KERN BFB-A03, € 150,-
- Suitable printers and an extensive accessories range, see page 157 ff.



































DAkks +3 DAYS







Model	Weighing	Readout	Minimum	Verification	Net weight	Weighing	Price		Opt	ions	
	range		load	value		plate	excl. of VAT	Verific	ation	DAkkS Calib	r. Certificate
	[Max]	[d]	[Min]	[e]	approx.		ex works	MIII		DAkkS	
KERN	kg	g	kg	g	kg		€	KERN	€	KERN	€
NFB 600K200M	600	200	4	200	131	А	1290,-	965-230	132,-	963-130	165,-
NFB 600K200LM	600	200	4	200	150	В	1390,-	965-230	132,-	963-130	165,-
NFB 1.5T0.5M	1500	500	10	500	131	А	1290,-	965-230	132,-	963-130	165,-
NFB 1.5T0.5LM	1500	500	10	500	150	В	1390,-	965-230	132,-	963-130	165,-





Note: For verified scales the weighing bridge must be fixed to the floor with a base plate pair

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

Stainless steel drive-through scale with two integrated access ramps and EC type approval [M]

Features

- Robust drive-through scale made of stainless steel for rapid weighing of e.g., shelf trolleys, container trolleys, storage trolleys, transport cases, transpallets, mobile containers etc.
- Low platform height and integrated access ramps on both sides facilitate access.
- Weighing bridge stainless steel, extremely resistant to bending. Also available as component without the display device, KERN KFD-V40, see page 141
- II 4 load cells steel, encapsulated. Protection against dust and water splashes IP68, suitable for continuous use in wet areas
- Ideal for the ever-increasing hygienic requirements in the food, pharmaceutical and chemical industries
- Your support in an HACCP-compliant quality system
- Totalising of weights and piece counts

• III Display device KERN KFN-TM, stainless steel, details see page 136

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions WxDxH 1600x1200x78 mm
- Weighing surface, without access ramps WxD 1000x1000 mm
- . Dimensions of display device WxDxH 266x165x96 mm
- · Cable length of display device approx. 5 m
- Net weight approx. 131 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

· Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 10 h, must be ordered at purchase, KERN GAB-A04, € 40,-

- 3 Stand to elevate display device, stainless steel, height-adjustable, height of stand 750-1000 mm, KERN BFN-A04, € 250,-
- Data interface RS-232, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01, € 95,-
- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03, € 70,-
- Large display with superior display size, digit height 76 mm. WxDxH 541x55x180 mm, for details see page 160, KERN YKD-A02, € 200,-
- Cable with special length 15 m, between display device and platform, must be ordered at purchase, KERN BFB-A03, € 150,-
- Suitable printers and an extensive accessories range, see page 157 ff.

STANDARD













































Model	Weighing	Readout	Verification	Minimum	Price		Opti	ions	
	range		value	load	excl. of VAT	Verification		DAkkS Calibr. Certifica	
	[Max]	[d]	[e]	[Min]	ex works	MIII		DAkkS	
KERN	kg	g	g	g	€	KERN	€	KERN	€
NFN 600K-1M	600	200	200	4000	2720,-	965-230	132,-	963-130	165,-
NFN 1.5T-4M	1500	500	500	10000	2720,-	965-230	132,-	963-130	165,-

... and that is not all: here is a small selection from the wide range of combination options for KERN floor scales







KERN BFA

IP67 floor scale with IP65 display, in stainless steel and EC type approval [M]

For all details and the full range of accessories, please see www.kern-sohn.com/en/BFA

KERN BFS

IP67 floor scale with piece-counting function, 99 memories and EC type approval [M]

For all details and the full range of accessories, please see www.kern-sohn.com/en/BFS

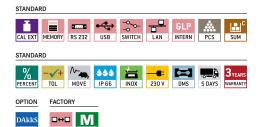
KERN BBB

State-of-the-art premium touchscreen floor scale with the complete range of functions for demanding processes

For all details and the full range of accessories, please see www.kern-sohn.com/en/BBB







Model	Weighing	Readout	Verific.	Minimum	Net weight	Dimensions of	Price		Opt	tions	
	range		value	load		weighing plate	excl. of VAT	Verific	cation	DAkkS Calib	r. Certificate
	[Max]	[d]	[e]	[Min]	approx.	WxDxH	ex works	MIII		DAkkS	
KERN	kg	g	g	g	kg	mm	€	KERN	€	KERN	€
Complete device	consisting	of the KERN	N KFN-TM a	nd weighing	g bridge KEF	RN KFP V20 IP67, 1	or further info	ormation, see	p. 136, 139)	
BFA 600K-1SM	600	200	200	4000	85	1000 x 1000 x 80	1390,-	965-230	132,-	963-130	165,-
BFA 600K-1M	600	200	200	4000	135	1500 x 1250 x 80	1790,-	965-230	132,-	963-130	165,-
BFA 1T-4SM	1500	500	500	10000	85	1000 x 1000 x 80	1390,-	965-230	132,-	963-130	165,-
BFA 1T-4M	1500	500	500	10000	135	1500 x 1250 x 80	1790,-	965-230	132,-	963-130	165,-
BFA 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	1790,-	965-232	320,-	963-132	440,-
BFA 3T-3LM	3000	1000	1000	20000	160	1500 x 1500 x 80	1930,-	965-232	320,-	963-132	440,-
BFA 6T-3M	6000	2000	2000	40000	210	1500 x 1500 x 130	2190,-	965-232	320,-	963-132	440,-
Complete device	consisting	of the KERN	N KFS-TM a	nd weighing	bridge KFP	V20 IP67, for furt	her information	on, see p. 13	5, 139		
BFS 600K-1SM	600	200	200	4000	85	1000 x 1000 x 80	1240,-	965-230	132,-	963-130	165,-
BFS 600K-1M	600	200	200	4000	135	1500 x 1250 x 80	1620,-	965-230	132,-	963-130	165,-
BFS 1T-4SM	1500	500	500	10000	85	1000 x 1000 x 80	1240,-	965-230	132,-	963-130	165,-
BFS 1T-4M	1500	500	500	10000	135	1500 x 1250 x 80	1620,-	965-230	132,-	963-130	165,-
BFS 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	1620,-	965-232	320,-	963-132	440,-
BFS 3T-3LM	3000	1000	1000	20000	160	1500 x 1500 x 80	1780,-	965-232	320,-	963-132	440,-
BFS 6T-3M	6000	2000	2000	40000	210	1500 x 1500 x 130	2050,-	965-232	320,-	963-132	440,-
Complete device	consisting	of the KERN	N KEN-TM a	nd weighing	g bridge KEF	RN KFP V20 IP67, 1	for further info	ormation, see	p. 137, 139)	
BBB 600K-1SM	600	200	200	4000	85	1000 x 1000 x 80	3260,-	965-230	132,-	963-130	165,-
BBB 600K-1M	600	200	200	4000	135	1500 x 1250 x 80	3650,-	965-230	132,-	963-130	165,-
BBB 1T-4SM	1500	500	500	10000	85	1000 x 1000 x 80	3280,-	965-230	132,-	963-130	165,-
BBB 1T-4M	1500	500	500	10000	135	1500 x 1250 x 80	3650,-	965-230	132,-	963-130	165,-
BBB 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	3650,-	965-232	320,-	963-132	440,-
BBB 3T-3LM	3000	1000	1000	20000	160	1500 x 1500 x 80	3820,-	965-232	320,-	963-132	440,-
BBB 6T-3M	6000	2000	2000	40000	210	1500 x 1500 x 130	4090,-	965-232	320,-	963-132	440,-



KERN BXS

IP67 floor scale with IP68 stainless steel display device and EC type approval [M], detachable weighing plate

For all details and the full range of accessories, please see www.kern-sohn.com/en/BXS



KERN BAN

Stainless steel floor scale with IP68 protection against dust and water splashes, extra large platform and EC type approval [M]

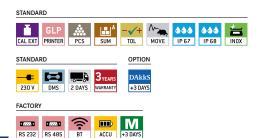
For all details and the full range of accessories, please see www.kern-sohn.com/en/BAN



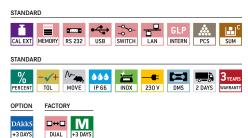
KERN BBN

State-of-the-art premium touchscreen stainless steel floor scale with the complete range of functions for demanding processes

For all details and the full range of accessories, please see www.kern-sohn.com/en/BBN







Model	Weighing	Readout	Verific.	Minimum	Net weight	Dimensions of	Price		Opt	ions	
	range		value	load		weighing plate	excl. of VAT	Verific	cation	DAkkS Calib	r. Certificate
	[Max]	[d]	[e]	[Min]	approx.	WxDxH	ex works	M		DAkkS	
KERN	kg	g	g	g	kg	mm	€	KERN	€	KERN	€
Complete device	consisting	of the KER	N KXS-TM a	nd weighing	g bridge KER	RN KXP V20 IP67, 1	for further info	rmation, see	p. 136, 138		
BXS 600K-1SM	600	200	200	4000	105	1000 x 1000 x 80	1350,-	965-230	132,-	963-130	165,-
BXS 600K-1M	600	200	200	4000	135	1500 x 1250 x 80	1550,-	965-230	132,-	963-130	165,-
BXS 1.5T-4SM	1500	500	500	20000	105	1000 x 1000 x 80	1350,-	965-230	132,-	963-130	165,-
BXS 1.5T-4M	1500	500	500	20000	135	1500 x 1250 x 80	1550,-	965-230	132,-	963-130	165,-
BXS 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	1550,-	965-232	320,-	963-132	440,-
Complete device	consisting	of the KER	N KXS-TM a	nd weighing	g bridge KER	RN KFP V40 IP68, f	or further info	rmation, see	p. 136, 141		
BAN 600K-1SM	600	200	200	20000	85	1000 x 1000 x 80	2790,-	965-230	132,-	963-130	165,-
BAN 1T-4SM	1500	500	500	20000	85	1000 x 1000 x 80	3450,-	965-230	132,-	963-130	165,-
BAN 1T-4M	1500	500	500	20000	135	1500 x 1250 x 80	3450,-	965-230	132,-	963-130	165,-
BAN 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	3480,-	965-232	320,-	963-132	440,-
Complete device	consisting	of the KER	N KEN-TM a	nd weighing	g bridge KEF	RN KFP V40 IP68,	for further info	rmation, see	p. 137, 141		
BBN 600K-1SM	600	200	200	4000	85	1000 x 1000 x 80	4740,-	965-230	132,-	963-130	165,-
BBN 1T-4SM	1500	500	500	10000	85	1000 x 1000 x 80	5390,-	965-230	132,-	963-130	165,-
BBN 1T-4M	1500	500	500	10000	135	1500 x 1250 x 80	5390,-	965-230	132,-	963-130	165,-
BBN 3T-3M	3000	1000	1000	20000	135	1500 x 1250 x 80	5430,-	965-232	320,-	963-132	440,-

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▶ 1880

▶ 2002









► 1844 KERN is founded – precision balances are

produced

A proud Gottlieb Kern with his staff

▶ 1863

Pharmaceutical balance with Aesculap

Inflation – KERN wages are paid with self printed currency

▶ 1923

▶ 2007

▶ 2014

The electronic balance ousts mechanical devices

▶ 1980

▶ 2008









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Authorisation for initial verification by the manufacturer (2009/23/EC)



Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)



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► 2013

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Our Tip

Come to see the Museum of scale and weight ...













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- Authorisation for initial verification by the manufacturer 2009/23/EC
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