

Floor scale KERN BFN



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

1 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
- **4 Load cell stainless steel**, welded, IP68
- **5 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
 - A** 1000x1000x80 mm
 - B** 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

- **1 Stand** to elevate display device, stainless steel, height-adjustable, height of stand 75-100 cm, KERN BFN-A04

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

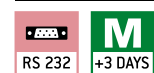
STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] kg	Net weight approx. kg	Weighing plate	Options			
							Verification		DAkKS Calibr. Certificate	
							M KERN		DAKKS KERN	
BFN 600K-1SM <small>NEW</small>	600	200	200	4	85	A	965-230		963-130	
BFN 1T-4SM <small>NEW</small>	1500	500	500	10	85	A	965-230		963-130	
BFN 1.5T0.5M	1500	500	500	10	135	B	965-230		963-130	
BFN 3T-3M <small>NEW</small>	3000	1000	1000	20	190	B	965-232		963-132	

NEW New model

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 display.	 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, PLU etc.	 Recipe 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 functions.	 Rechargeable battery pack: Rechargeable set.
 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.	 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 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.	 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.	 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 Bluetooth 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.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Weighing units: Can be switched to e.g. non-metric 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.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 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.
 Interface for second balance: For direct connection of a second balance.	 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.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 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: The balance displays the weight, date and time, regardless of a printer connection.	 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.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.		

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.

Your KERN specialist dealer:

Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DAkkS calibration of balances with a maximum load of up to 6 t
- DAkkS calibration of weights in the range of 1 mg - 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL