

Floor Scale KERN BFN



Accessories

- Pair of base plates to fix the weighing bridge to the floor, KERN BFN-A03
- **3** Ascending ramp, stainless steel, for models with weighing plate size
 - A** 1000×750×85 mm, KERN BFN-A05
 - B** 1250×750×85 mm, KERN BFN-A01
- **6** Stable pit frame, stainless steel, for models with weighing plate size
 - A** 1085×1085×80 mm, KERN BFN-A06
 - B** 1335×1585×80 mm, KERN BFN-A02
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not possible in combination with verification or RS 232 data interface, KERN KFB-A03
- Analogue module, must be ordered at purchase, not possible in combination with RS 232 data interface
 - 0-10 V: KERN KFB-A04
 - 4-20 mA: KERN KFB-A05
- 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
- Further details, plenty of further accessories and suitable printers see *Accessories*

Optionally configurable with IP68 display device on request
 ! Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), verification optional

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, IP68 dust and spray protection. 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
- **2** 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. Ideal for industrial applications, 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
- Totalising of weights and piece counts
- Internal rechargeable battery pack included with the delivery
- **4** Did you know? Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions
 - A** W×D×H 1000×1000×90 mm
 - B** W×D×H 1500×1250×85 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability = Verification value [d] = [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Options	
						Verification KERN	DAkkS Calibr. Certificate DAKKS KERN
KERN BFN 600K-1SM	600	0,2	4	85	A	965-230	963-130
BFN 1.5T0.5M	1500	0,5	10	120	B	965-230	963-130
BFN 1T-4SM	1500	0,5	10	85	A	965-230	963-130
BFN 3T-3M	3000	1	20	150	B	965-232	963-132

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

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

 <p>Internal adjusting Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)</p>	 <p>Interface for second balance For direct connection of a second balance</p>	 <p>Hold function (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value</p>	 <p>Conformity Assessment The time required for conformity assessment is specified in the pictogram</p>
 <p>Adjusting program CAL For quick setting up of the balance's accuracy. External adjusting weight required</p>	 <p>Network interface For connecting the scale to an Ethernet network</p>	 <p>Protection against dust and water splashes IPxx The type of protection is shown in the pictogram</p>	 <p>DAkkS calibration possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram</p>
 <p>EasyTouch Suitable for the connection, data transmission and control through PC or tablet</p>	 <p>KERN Communication Protocol (KCP) It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems</p>	 <p>Suspended weighing Load support with hook on the underside of the balance</p>	 <p>Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram</p>
 <p>Memory Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.</p>	 <p>GLP/ISO log intern The balance displays weight, date and time, independent of a printer connection</p>	 <p>Battery operation Ready for battery operation. The battery type is specified for each device</p>	 <p>Package shipment The time required for internal shipping preparations is shown in days in the pictogram</p>
 <p>Alibi memory Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.</p>	 <p>GLP/ISO log Printer With weight, date and time. Only with KERN printers.</p>	 <p>Rechargeable battery pack Rechargeable set</p>	 <p>Pallet shipment The time required for internal shipping preparations is shown in days in the pictogram</p>
 <p>KERN Universal Port (KUP) allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort</p>	 <p>Piece counting Reference quantities selectable. Display can be switched from piece to weight</p>	 <p>Universal plug-in power supply with universal input and optional input socket adapters for A) EU, CH, GB B) EU, CH, GB, US C) EU, CH, GB, US, AUS</p>	
 <p>RS-232 Data interface To connect the balance to a printer, PC or network</p>	 <p>Recipe level A The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out</p>	 <p>Plug-in power supply 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available</p>	
 <p>RS-485 Data interface To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible</p>	 <p>Recipe level B Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display</p>	 <p>Integrated power supply unit Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request</p>	
 <p>USB Data interface To connect the balance to a printer, PC or other peripherals</p>	 <p>Totalising level A The weights of similar items can be added together and the total can be printed out</p>	 <p>Weighing principle Strain gauges Electrical resistor on an elastic deforming body</p>	
 <p>Bluetooth* Data interface To transfer data from the balance to a printer, PC or other peripherals</p>	 <p>Percentage determination Determining the deviation in % from the target value (100 %)</p>	 <p>Weighing principle Tuning fork A resonating body is electromagnetically excited, causing it to oscillate</p>	
 <p>WIFI Data interface To transfer data from the balance to a printer, PC or other peripherals</p>	 <p>Weighing units Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details</p>	 <p>Weighing principle Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings</p>	
 <p>Control outputs (optocoupler, digital I/O) To connect relays, signal lamps, valves, etc.</p>	 <p>Weighing with tolerance range (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model</p>	 <p>Weighing principle Single cell technology Advanced version of the force compensation principle with the highest level of precision</p>	
 <p>Analogue interface to connect a suitable peripheral device for analogue processing of the measurements</p>			

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