

Floor scale KERN BFB



Floor scale with EC type approval [M]

Features

- **Weighing bridge with non-slip steel chequer plate, lacquered**, overall height 80 mm
- **5 Load cell steel, silicone-coated**, IP67 protection
- **Easy access to the junction box** from the top
- **Comfortable adjustment of the weighing bridge** from above
- **Display device KERN KFB-TM**, details see page 113
- **Benchtop stand incl. wall mount** for display device as standard
- **Totalizing** of weights and counting operations

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of weighing plate WxDxH
 - A** 1000x1000x80 mm
 - B** 1500x1250x80 mm
 - C** 1500x1500x80 mm

- Dimensions of display device WxDxH 250x160x58 mm
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- **1 Signal lamp** for visual support of weighing with tolerance range, must be ordered at purchase, WxDxH 100x180x300 mm, KERN CFS-A03
- **2 Stand** to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06
- **3 Stable pit frame** to install the weighing bridge so you can drive straight on, for models with weighing plate sizes
 - A** WxD 1085x1085 mm, KERN BFS-A03
 - B** WxD 1335x1585 mm, KERN BFS-A04
 - C** WxD 1585x1585 mm, KERN BFS-A08

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

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

1 Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs

- **Rechargeable battery pack internal**, operating time approx. 35 h, charging time approx. 10 h, KERN KFB-A01
- **Ascending ramp**, not included, for models with weighing plate sizes
 - A** WxD 1000x50 mm, KERN BFS-A01
 - B** WxD 1250x50 mm, KERN BFS-A02
 - C** WxD 1500x750 mm, KERN BFS-A09
- **Suitable printers** see page 130

STANDARD

CAL EXT
 RS 232
 GLP
 PROTOCOL
 PCS
 TOL
 IP 67
 MOVE
 230 V
 DMS
 2 DAYS
 3 YEARS WARRANTY

only with printer **4**

OPTION

DKD
+3 DAYS































FACTORY

ACCURACY
 M
+3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Cable length approx. m	Weighing plate	Options			
								Verification		DKD Calibr. Certificate	
								KERN		DKD KERN	
BFB 600K200SM	600	200	200	4000	85	5	A	965-230		963-130	
BFB 600K200M	600	200	200	4000	135	5	B	965-230		963-130	
BFB 1.5T0.5SM	1500	500	500	10000	85	5	A	965-230		963-130	
BFB 1.5T0.5M	1500	500	500	10000	135	5	B	965-230		963-130	
BFB 3T1M	3000	1000	1000	20000	135	5	B	965-232		963-132	
BFB 3T1LM	3000	1000	1000	20000	160	5	C	965-232		963-132	

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.

KERN Pictograms

 Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 Data interface RS-232: To connect the balance to a printer, PC or network	 Control outputs (optocoupler, digital I/O) to connect relays, signal lamps, valves, etc.	 Interface for second balance: for direct connection of a second balance
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 Percentage determination: Determining the deviation in % from the target value (100%).	 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.
 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.
 Stainless steel: the balance is protected against corrosion.	 Suspended weighing: load support with hook on the underside of the balance.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Rechargeable battery pack: rechargeable set.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.	 Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.	 Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.	 Verification possible: The time required for verification is specified in the pictogram.	 DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E 1, E 2, F 1, F 2, M 1, M 2, and M 3 with weights from 1 mg to 2000 kg.

The KERN DKD 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. (DKD = German Calibration Service ~ UKAS)

Your KERN specialist dealer:

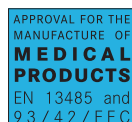
Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DKD calibration of balances with a maximum load of up to 6000 kg
- DKD 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
- DKD calibration certificates in the following languages
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

KERN – Professional measuring. Measuring technology and testing services from a single source



German Excellence Group
Member