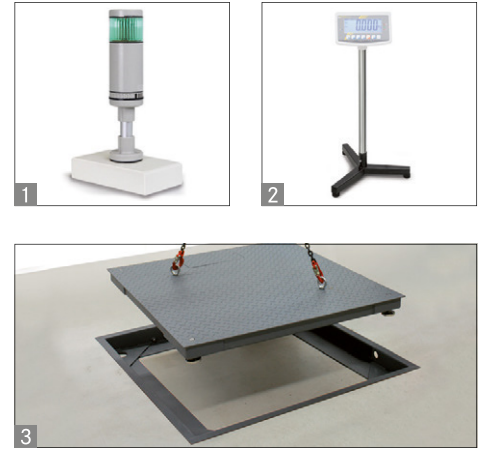


# Floor scale KERN BFB



**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

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

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

## 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
- **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
  - A 1000x1000x80 mm
  - B 1500x1250x80 mm
  - C 1500x1500x80 mm
  - D 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
- **1 Signal lamp** for visual support of weighing with tolerance range, for details see page 160, 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, for models with weighing plate size
  - A, B, C KERN BFS-A06
  - D KERN BFS-A10
- **3 Stable pit frame** for weighing bridge installation, allowing for easy access for models with weighing plate size
  - A WxD 1085x1085 mm, KERN BFS-A03
  - B WxD 1335x1585 mm, KERN BFS-A04
  - C WxD 1585x1585 mm, KERN BFS-A08
- **Rechargeable battery pack internal**, operating time up to 35 h, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01

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

### STANDARD



### OPTION



### FACTORY











































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Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate	Options		
							Verification		DAkkS Calibr. Certificate
							M KERN		
<b>BFB 600K200SM</b>	600	200	200	4000	85	A	965-230	963-130	
<b>BFB 600K200M</b>	600	200	200	4000	135	B	965-230	963-130	
<b>BFB 1.5T0.5SM</b>	1500	500	500	10000	85	A	965-230	963-130	
<b>BFB 1.5T0.5M</b>	1500	500	500	10000	135	B	965-230	963-130	
<b>BFB 3T1M</b>	3000	1000	1000	20000	135	B	965-232	963-132	
<b>BFB 3T1LM</b>	3000	1000	1000	20000	160	C	965-232	963-132	
<b>BFB 6T-3M</b>	6000	2000	2000	40000	210	D	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

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Recipe level C:</b> 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.	 <b>Rechargeable battery pack:</b> Rechargeable set.
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Totalising level C:</b> 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.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.	 <b>Strain gauges:</b> Electrical resistor on an elastic deforming body.	 <b>Tuning fork principle:</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>Bluetooth data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Electromagnetic force compensation:</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Weighing units:</b> 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.	 <b>Single cell technology:</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <b>Vibration-free weighing:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>DAkkS calibration possible:</b> The time required for DAkkS calibration is shown in days in the pictogram.
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram. For details see the glossary.	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.	 <b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers, see "Accessories"	 <b>Stainless steel:</b> The balance is protected against corrosion.	 <b>Warranty:</b> The warranty period is shown in the pictogram.
 <b>Piece counting:</b> 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