Floor scale KERN BFS





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Floor scale with piece-counting function

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

Features

- **Weighing bridge with non-slip steel chequer plate, lacquered**, overall height 80 mm
- **Easy access to the junction box** from the top
- **Comfortable adjustment of the weighing bridge** from above
- **Display device KERN KFS-T**, details see page 112
- **Benchtop stand incl. wall mount** for display device as standard
- **Precise counting:** The manual optimisation of reference weight gradually improves the average value of the piece weight, see page 79
- **Totalizing** of counting operations
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading

Technical data

- Large backlit LCDdisplay, digit height 16,5 mm
- Dimensions of weighing plate WxDxH
  - A 1000x1000x80 mm
  - B 1500x1250x80 mm
- Dimensions of display device WxDxH 260x150x65 mm
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- 1 **Stand** to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07
- **Ascending ramp**, not included, or models with weighing plate sizes
  - A WxD 1000x840 mm, KERN BFS-A01
  - B WxD 1250x840 mm, KERN BFS-A02
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06
- 2 **Stable pit frame** to install the weighing bridge so you can drive straight on, for models with weighing plate sizes
  - A WxDxH 1090x1090x86 mm, KERN BFS-A03
  - B WxDxH 1590x1340x86 mm, KERN BFS-A04
- **Rechargeable battery pack internal**, operating time up to 40 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFS-A01
- **Suitable printers** see page 130

STANDARD

CAL EXT · RS 232 · GLP PROTOCOL (only with printer) · PCS · TOL · 230 V · DMS · 2 DAYS · 3 YEARS WARRANTY

OPTION

DKD +3 DAYS

FACTORY

ACCU

Model KERN	Weighing range [Max] kg	Read-out [d] g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Cable length approx. m	Weighing plate		Option DKD Calibr. Certificate DKD KERN	
BFS 600K200S	600	200	200	85	5	A		963-130	
BFS 600K200	600	200	200	135	5	B		963-130	
BFS 1.5T0.5S	1500	500	500	85	5	A		963-130	
BFS 1.5T0.5	1500	500	500	135	5	B		963-130	
BFS 3T1	3000	1000	1000	135	5	B		963-132	

! **ONLY WHILE STOCKS LAST**

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. nonmetric 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: E1, E2, F1, F2, M1, M2, and M3 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)

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 corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer:

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

DKD-K-11801

German Excellence Group
Member

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