



Weighing bridge with screwed-on weighing plate (IP67) and XXL display device, with EC type approval [M]

Features

- **Weighing plate** **A**, **B** screwed on from the top, so it's easy to remove, hygienic and easy to clean
- **1 Weighing bridge:** steel, painted, weighing plate size **C**, **D** corrugated steel plate, welded, 4 silicone-coated steel load cells, dust and spray protection IP67
- **Easy levelling of the weighing bridge** as well as **access to the junction box** from above
- **Display device:** for details see KERN KFB-TM
- **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

- 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**, can be re-ordered, scope of delivery: 5 items, KERN KFB-A02S05
- **2 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07
- **Pair of base plates** to fix the weighing bridge to the floor, for models with weighing plate size **A**, **B**, **D** KERN BFS-A06N **D** KERN BFS-A10

- **Ascending ramp**, steel, lacquered, not included, for models with weighing plate size **A** KERN BFS-A01N **B** KERN BFS-A02N **C** KERN BFS-A09 **D** KERN BFS-A11
- **3 Stable pit frame**, steel, lacquered, for models with weighing plate size **A** KERN BFS-A03N **B** KERN BFS-A04N **C** KERN BFS-A08
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01
- **4 Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03
- **Large display with superior display size**, KERN YKD-A02
- **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*

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

5 Limited tare range with verifiable models (1/3 from [Max])







































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

| | | | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--------|--|---------|--|
| STANDARD | | | | | | | | | | OPTION | | FACTORY | |
| | | | | | | | | | | | | | |

| Model | Weighing range [Max] kg | Readout = Verif. value [d] = [e] kg | Minimal load [Min] kg | Net weight approx. kg | Weighing plate mm | Options | | | |
|---------------------------|-------------------------|-------------------------------------|-----------------------|-----------------------|------------------------|--------------|------|---------------------------|------|
| | | | | | | Verification | | DAkkS Calibr. Certificate | |
| | | | | | | | KERN | | KERN |
| BFB 600K-1SNM | 600 | 0,2 | 4 | 105 | A 1000x1000x85 | 965-230 | | 963-130 | |
| BFB 600K-1NM | 600 | 0,2 | 4 | 135 | B 1500x1250x85 | 965-230 | | 963-130 | |
| BFB 1T-4SNM | 1500 | 0,5 | 10 | 135 | A 1000x1000x85 | 965-230 | | 963-130 | |
| BFB 1T-4NM | 1500 | 0,5 | 10 | 135 | B 1500x1250x85 | 965-230 | | 963-130 | |
| BFB 3T-3NM | 3000 | 1 | 20 | 135 | B 1500x1250x85 | 965-232 | | 963-132 | |
| BFB 3T-1LM | 3000 | 1 | 20 | 155 | C 1500x1500x85 | 965-232 | | 963-132 | |
| BFB 6T-3M 5 | 6000 | 2 | 40 | 210 | D 1500x1500x130 | 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: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven). |  Piece counting: Reference quantities selectable. Display can be switched from piece to weight. |  Rechargeable battery pack: Rechargeable set. |
|  Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required. |  Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total). |  Universal mains adapter: with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS |
|  Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc. |  Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. |  Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available. |
|  Alibi memory: Electronic archiving of weighing results, complying with the 2014/31/EU standard. |  Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition. |  Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request. |
|  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. |  Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate. |
|  RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance. |  Percentage determination: Determining the deviation in % from the target value (100 %). |  Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings. |
|  USB data interface: To connect 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. |  Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision. |
|  Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals. |  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. |
|  WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals. |  Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value. |  DAkKS calibration possible (DKD): The time required for DAkKS calibration is shown in days in the pictogram. |
|  Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc. |  Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. |  Package shipment: The time required for internal shipping preparations is shown in days in the pictogram. |
|  Interface for second balance: For direct connection of a second balance. |  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. |
|  Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter. |  Stainless steel: The balance is protected against corrosion. |  Warranty: The warranty period is shown in the pictogram. |
|  Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module. |  Suspended weighing: Load support with hook on the underside of the balance. | |
|  GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection. |  Battery operation: Ready for battery operation. The battery type is specified for each device. | |
|  GLP/ISO log: With weight, date and time. Only with KERN printers. | | |

KERN – 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 - 2500 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.

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 50 t
- DAkKS calibration of weights in the range of 1 mg – 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkKS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: