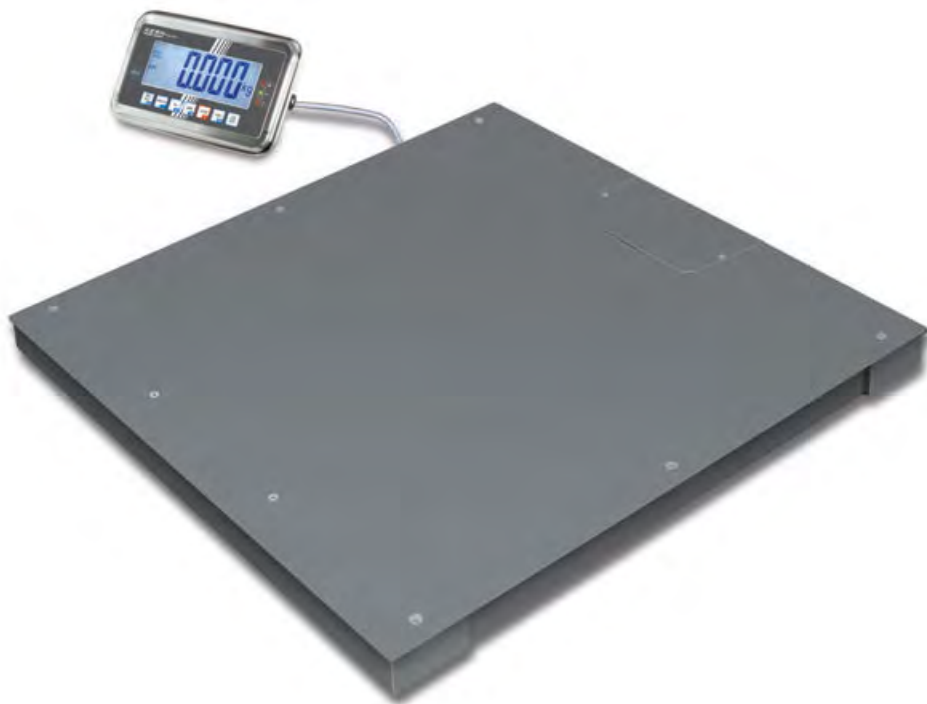




## Weighing bridge with screwed-on weighing plate (IP67) and stainless steel display device (IP68), with EC type approval [M]

### Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **1 Weighing plate** **C**, **D** **screwed on from the top**, so it's easy to remove, hygienic and easy to clean
- **2 Weighing bridge:** steel, painted, weighing plate size **C**, **D** corrugated steel plate, welded, 4 silicone-coated steel load cells, dust and spray protection IP67. Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V20 IP67
- **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
- **Benchtop stand incl. wall mount** for display device as standard

### Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 5 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

### Accessories

- **4 Stand** to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFS-A07
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 12 h, KERN KFB-A01

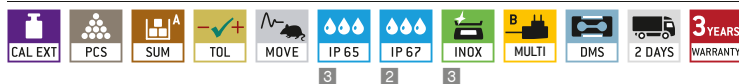
- **Pair of base plates** to fix the weighing bridge to the floor, for models with weighing plate size **A**, **B**, **C** KERN BFS-A06N  
**D** KERN BFS-A10
- **Ascending ramp**, steel, lacquered, not included, for models with weighing plate size **A** KERN BFS-A01N  
**B** KERN BFS-A02N  
**C** KERN BFS-A09  
**D** KERN BFS-A11
- **Stable pit frame**, steel, lacquered, for models with weighing plate size **A** KERN BFS-A03N  
**B** KERN BFS-A04N  
**C** KERN BFS-A08
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- **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
- **Large display with superior display size**, KERN YKD-A02
- 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 (1/4 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               |                         |                                     |                       |                       |                        |              |  |                           |  |
| BFA 600K-1SNM      | 600                     | 0,2                                 | 4                     | 105                   | <b>A</b> 1000×1000×85  | 965-230      |  | 963-130                   |  |
| BFA 600K-1NM       | 600                     | 0,2                                 | 4                     | 135                   | <b>B</b> 1500×1250×85  | 965-230      |  | 963-130                   |  |
| BFA 1T-4SNM        | 1500                    | 0,5                                 | 10                    | 105                   | <b>A</b> 1000×1000×85  | 965-230      |  | 963-130                   |  |
| BFA 1T-4NM         | 1500                    | 0,5                                 | 10                    | 135                   | <b>B</b> 1500×1250×85  | 965-230      |  | 963-130                   |  |
| BFA 3T-3NM         | 3000                    | 1                                   | 20                    | 135                   | <b>B</b> 1500×1250×85  | 965-232      |  | 963-132                   |  |
| BFA 3T-3LM         | 3000                    | 1                                   | 20                    | 160                   | <b>C</b> 1500×1500×85  | 965-232      |  | 963-132                   |  |
| BFA 6T-3M <b>5</b> | 6000                    | 2                                   | 40                    | 210                   | <b>D</b> 1500×1500×130 | 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.



**Weighing principle: Strain gauge**  
Electrical resistor on an elastic deforming body.



**RS-485 data interface:** To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.



**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.



**USB data interface:** To connect the balance to a printer, PC or other peripherals.



**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.



**Bluetooth\* data interface:** To transfer data from 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.



**WLAN 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.



**Control outputs (optocoupler, digital I/O):** To connect relays, signal lamps, valves, etc.



**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.



**Interface for second balance:** For direct connection of a second balance.



**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.



**Network interface:** For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.



**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.



**Wireless data transfer:** between the weighing unit and the evaluation unit using an integrated radio module.



**Stainless steel:** The balance is protected against corrosion.



**Warranty:** The warranty period is shown in the pictogram.



**GLP/ISO log:** The balance displays the weight, date and time, regardless of a printer connection.



**Suspended weighing:** Load support with hook on the underside of the balance.



**GLP/ISO log:** With weight, date and time. Only with KERN printers.



**Battery operation:** Ready for battery operation. The battery type is specified for each device.

## 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: