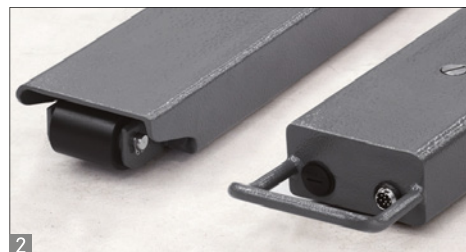


Weighing beams KERN UFA



Highly versatile weighing beams for large loads - now up to 6 t!

Features

- Ideal for weighing large, bulky or long items
- **High mobility:** thanks to battery operation (optional) and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- **Sturdy handles** for transporting the weighing beams
- **Weighing beams steel**, lacquered, solid steel construction, extremely resistant to bending
- **1 Load cells steel, silicone-coated**, IP67 protection
- **Display device KERN KFB-TM**, for details see page 134
- **2 Models with suffix -L:** Each weighing beam has a roller and handle for easy transport of the scale
- **Totalising** of weights and piece counts
- **Benchtop stand incl. wall mount** for display device as standard
- Weighing beams also available as components without the display device, for additional information see page 140

Technical data

- Large backlit LCD display, digit height 52 mm
- Weighing beams dimensions WxDxH
 - A** 1200x120x100 mm
 - B** 1200x163x80 mm
 - C** 2000x120x100 mm
 - D** 2100x160x85 mm
- Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m
- Cable length weighing beams approx. 2,5 m
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be retrofitted, KERN KFB-A02
- **3 Stand** to elevate display device, height of stand approx. 750 mm, KERN BFS-A07
- **Rechargeable battery pack internal**, operating time up to 35 h, charging time approx. 10 h, must be ordered at purchase, KERN KFB-A01

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

- **Signal lamp** for visual support of weighing with tolerance range, for details see page 160, KERN CFS-A03
- **Large display with superior display size**, digit height 76 mm. WxDxH 541x55x180 mm, details see page 160, KERN YKD-A02
- **Y cable** for parallel connection of two terminal devices to the RS-232 interface on the scale e.g. signal lamp and printer, KERN CFS-A04
- **Cable with special length 15 m**, between display device and platform, for models with EC type approval, this must be ordered at the time of purchase, KERN BFB-A03
- **Suitable printers** see page 157 ff.

STANDARD











































OPTION

FACTORY



| Model | Weighing range [Max] kg | Readout [d] g | Reproducibility g | Linearity g | Net weight per beam kg | Weighing plate | Option DAkKS Calibr. Certificate | |
|--------------------|-------------------------------|---------------------|----------------------|----------------|------------------------------|-------------------|-------------------------------------|--|
| | | | | | | | DAkKS KERN | |
| UFA 1.5T0.5 | 1500 | 500 | 500 | ± 1000 | 16 | A | 963-130 | |
| UFA 3T1 | 3000 | 1000 | 1000 | ± 2000 | 16 | A | 963-132 | |
| UFA 3T-3L | 3000 | 1000 | 1000 | ± 2000 | 30 | C | 963-132 | |
| UFA 6T-3 | 6000 | 2000 | 2000 | ± 4000 | 39 | B | 963-132 | |
| UFA 6T-3L | 6000 | 2000 | 2000 | ± 4000 | 60 | D | 963-132 | |

KERN Pictograms

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