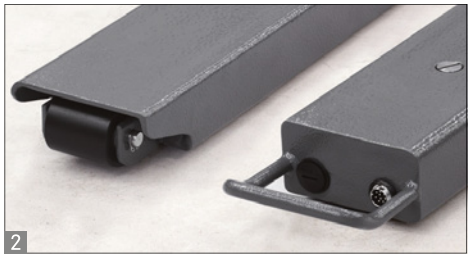
Weighing beams KERN UFA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Highly versatile weighing beams for large loads - now up to 6 t!

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

! 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

CAL EXT · RS 232 · GLP PRINTER · PCS · SUM · UNIT · TOL · MOVE · IP 67 · 230 V · DMS · 2 DAYS · 3 YEARS WARRANTY

1

OPTION

DAkkS +3 DAYS

FACTORY

ACCU

Model KERN	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).

Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.

Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Data interface RS-232: To connect the balance to a printer, PC or network.

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

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

Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.

WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.

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 use a universal RS-232/LAN converter.

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

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

Piece counting: Reference quantities selectable. Display can be switched from piece to weight.

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.

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.

Totalising level A: The weights of similar items can be added together and the total can be printed out.

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.

Percentage determination: Determining the deviation in % from the target value (100 %).

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 with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

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 EU. On request GB, AUS or USA version available.

Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or 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 inside 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.

DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.

Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.

Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.

Warranty: The warranty period is shown in the pictogram.

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.

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

Your KERN specialist dealer: