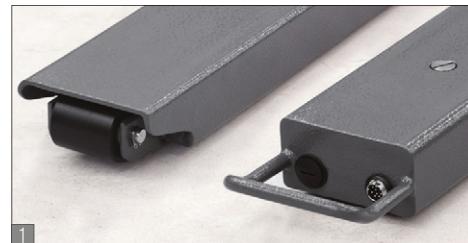


Weighing beams KERN UFA



Weighing beams can be used for large loads in many applications - 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, ...)
- **Sturdy handles** to transport the weighing beams
- **Weighing beams steel**, lacquered, solid steel construction, extremely resistant to bending
- **Load cells steel, silicone-coated**, IP67 protection
- **Display device KERN KFB-TM**, details see page 119
- **1** Models with suffix -L: Each weighing beam has a roller and handle for easy transport of the scale
- **Vibration-free weighing:** at the push of a button, a stable average weight is given

when the environmental conditions are unstable or when weighing animals

- **Totalizing** of weights and counting operations
- **Benchtop stand incl. wall mount** for display device as standard
- Weighing beams can also be delivered as components without the display device, For additional information see page 122

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions weighing beams WxDxH
 - A** 1200x120x100 mm
 - B** 1200x163x80 mm
 - C** 2000x120x65 mm
 - D** 2100x160x85 mm
- Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m

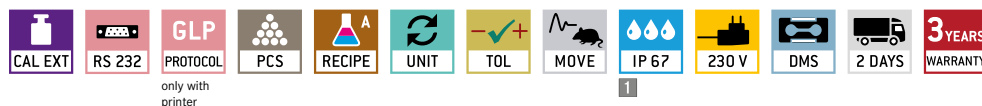
1 Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

- 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 reordered, KERN KFB-A02
- **2 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
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03
- **Large display with superior display size**, digit height 76 mm. WxDxH 541x55x180 mm, details see page 141, KERN YKD-A02
- **Suitable printers** see page 138

STANDARD



only with printer

OPTION






































FACTORY



Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Net weight per beam kg	Weighing plate	Option	
							DKD	Calibr. Certificate
KERN							DKD	
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	40	C	963-132	
UFA 6T-3	6000	2000	2000	± 4000	30	B	963-132	
UFA 6T-3L	6000	2000	2000	± 4000	60	D	963-132	

New model

KERN Pictograms

 Internal adjusting (CAL): Quick setting 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).	 Rechargeable battery pack: rechargeable set.
 Adjusting program (CAL): For quick setting 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 displays.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.
 Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.	 Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 Data interface RS-232: To connect the balance to a printer, PC or network.		 Strain gauges: Electrical resistor on an elastic deforming body.
 RS 485 data interface: To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.	 Percentage determination: Determining the deviation in % from the target value (100%).	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 USB data interface: To connect the balance to a printer, PC or other peripheral devices.	 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.	 Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.	 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 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.	 Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: for direct connection of a second balance.	 Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.	 DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 Stainless steel: the balance is protected against corrosion.	 Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 Suspended weighing: load support with hook on the underside of the balance.	 Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	 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 package for your balance, consisting of the test weight, box and DKD certificate, as proof of its accuracy ... the best pre-requisite for 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, M3 with weights from 1 mg - 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)

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 6 t
- 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 corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: