

Bench scale KERN FCE



Affordable bench scale - mobile, practical, lightweight

Features

- **Simple and convenient 2-key operation**
- **Very fast display:** steady weight values within 2 sec
- **1** Ideal as a compact letter and parcel scale, especially where space is at a premium
- **2** Ideal as a grading or commissioning balance or simple checkweigher in production or dispatch

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate (plastic)
 - A** 252x228 mm, see larger picture
 - B** 340x240 mm
- Overall dimensions WxDxH for models with weighing plate sizes
 - A** 270x345x106 mm
 - B** 350x390x120 mm
- Optional battery operation, 9 V Block not included, operating time approx. 12 h. AUTO-OFF function to preserve the battery.
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, for weighing plate size
 - A** KERN FCB-A02
 - B** KERN FCB-A02
- **Stainless steel-weighing plate**, only for models with weighing plate sizes **A**, KERN FCB-A01
- **Rechargeable battery pack internal**, **AUTO-OFF** function to preserve the battery, can be switched off, for models with weighing plate sizes
 - A** operating time approx. 20 h, charging time approx. 10 h, KERN FCB-A01
 - B** operating time approx. 8 h, charging time approx. 10 h, KERN FCB-A01

STANDARD

































OPTION



Model	Weighing range [Max] kg	Read-out [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Option	
							DKD Calibr. Certificate	
KERN							DKD	
FCE 3K1	3	1	1	± 2	2,5	A	KERN	
FCE 6K2	6	2	2	± 4	2,5	A	963-127	
FCE 15K5	15	5	5	± 10	2,5	A	963-128	
FCE 30K10	30	10	10	± 20	2,5	A	963-128	
FCE 30K10L *	30	10	20	± 20	5,5	B	963-128	
FCE 60K20 *	60	20	20	± 40	5,5	B	963-129	

! * ONLY WHILE STOCKS LAST

KERN Pictograms

 Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 Data interface RS-232: To connect the balance to a printer, PC or network	 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 also use a universal RS-232/LAN converter.	 GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight
 Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 Percentage determination: Determining the deviation in % from the target value (100%).	 Weighing units: Can be switched to e. g. nonmetric 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 can be programmed individually, e.g. dosing/sorting and portioning.	 Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.
 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 Germany. On request GB, AUS or USA version.	 Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, 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 in 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.	 DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure 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, and M3 with weights from 1 mg to 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 ~ UKAS)

Your KERN specialist dealer:

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 6000 kg
- 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.

KERN – Professional measuring. Measuring technology and testing services from a single source

