Parcel scales KERN EOB · EOS







KERN EOB



KERN EOS

The bestseller in parcel- and veterinary scales, also with XL platform and big weighing ranges

Features

- **Simple and convenient 4-key operation**
- **Wall mount** for display device, standard
- **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

EOS:

- The scale can be easily transported using 2 rollers and a handle and does not require much storage space

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of display device WxDxH 210x110x45 mm
- Cable length of display device approx. 1,8 m
- Optional battery operation, 6 x 1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 10 °C / 35 °C

EOB:

Dimensions of weighing plate WxDxH

A 315x305x65 mm
B 550x550x65 mm, see larger picture
C 945x505x65 mm

EOS:

- Dimensions of weighing plate (stainless steel) WxDxH D 900x550x60 mm

Accessories

- 1 **Stand** to elevate display device, height of stand approx. 950 mm, KERN MWS-A01

EOB:

- **Non-slip rubber mat**, only for models with weighing plate sizes C, KERN EOE-A01
- 2 **Stand** to elevate display device, height of stand approx. 450 mm, only for models with weighing plate sizes A,
- KERN EOB-A01N

EOS:

- **Non-slip rubber mat** standard, can be reordered, KERN EOS-A01

STANDARD



OPTION



Model KERN	Weighing range [Max] kg	Readout [d] g	Repro-ducibility g	Linearity g	Net weight approx. kg	Weighing plate		Option DKD Calibr. Certificate DKD KERN	
EOB 15K5	15	5	5	± 10	4	A		963-128	
EOB 35K10	35	10	10	± 20	4	A		963-128	
EOB 60K20	60	20	20	± 40	4	A		963-129	
EOB 60K20L	60	20	20	± 40	13,5	B		963-129	
EOB 150K50	150	50	50	± 100	4	A		963-129	
EOB 150K50L	150	50	50	± 100	13,5	B		963-129	
EOB 150K50XL	150	50	50	± 100	19,5	C		963-129	
EOB 300K100A	300	100	100	± 200	4	A		963-129	
EOB 300K100L	300	100	100	± 200	13,5	B		963-129	
EOB 300K100XL	300	100	100	± 200	19,5	C		963-129	
EOS 150K50XL	150	50	50	± 100	18,8	D		963-129	
EOS 300K100XL	300	100	100	± 200	18,8	D		963-129	

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.

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

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

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

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.

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 displays.

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.

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 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 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 ist 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 corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: