

Parcel scales KERN EOB · EOS



The bestsellers in parcel- and veterinary scales, also with XL-platform, and big weighing capacities

Features	Technical data	Accessories
<ul style="list-style-type: none"> <li>• <b>Weighing plate stainless steel</b>, painted steel base</li> <li>• <b>Simple and convenient 4-key operation</b></li> <li>• <b>Wall mount</b> for display device, standard</li> <li>• <b>Hold function:</b> When the weighing conditions are unstable, a stable weight is calculated determining an average value</li> <li>• KERN EOS: The scale can be easily transported using <b>rollers</b> and a <b>handle</b> and does not require much storage space</li> <li>• <b>Protective working cover</b> over the display device included with delivery</li> <li>• KERN EOS: <b>Non-slip rubber mat</b> included with delivery</li> <li>• <b>External universal mains adapter</b> included with delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Large LCD display, digit height 25 mm</li> <li>• Weighing plate dimensions, stainless steel W×D×H                             <ul style="list-style-type: none"> <li><b>A</b> 305×315×55 mm</li> <li><b>B</b> 550×550×57 mm</li> <li><b>C</b> 950×500×55 mm</li> </ul> </li> <li>• Dimensions of display device W×D×H 235×114×51 mm</li> <li>• Cable length of display device approx. 1,8 m</li> <li>• Optional battery operation, 4×1.5 V AA not included, operating time up to 60 h</li> <li>• Permissible ambient temperature 5 °C/35 °C</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Protective working cover</b>, scope of delivery: 5 items, KERN EOB-A04BS05</li> <li>• <b>1 Stand</b> to elevate display device, height of stand approx. 950 mm, KERN EOB-A02B</li> <li>• <b>2 KERN EOB: Stand</b> to elevate display device, for models with weighing plate size <b>A</b>, height of stand approx. 450 mm, KERN EOB-A01N</li> <li>• <b>Non-slip rubber mat</b> KERN EOB: W×D×H 945×505×5 mm, KERN EOB-A01 KERN EOS: W×D×H 900×550×5 mm, KERN EOS-A01</li> </ul>

STANDARD

CAL EXT UNIT MOVE BATT MULTI DMS 1 DAY

OPTION

DAkkS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Option	
							DAkkS Calibr. Certificate	
<b>KERN</b>							<b>DAkkS</b>	<b>KERN</b>
EOB 15K5	15	5	5	± 10	3,8	A	963-128	
EOB 35K10	35	10	10	± 20	3,8	A	963-128	
EOB 60K20	60	20	20	± 40	3,8	A	963-129	
EOB 60K20L	60	20	20	± 40	12	B	963-129	
EOB 150K50	150	50	50	± 100	3,8	A	963-129	
EOB 150K50L	150	50	50	± 100	11	B	963-129	
EOB 150K50XL	150	50	50	± 100	17	C	963-129	
EOB 300K100A	300	100	100	± 200	3,8	A	963-129	
EOB 300K100L	300	100	100	± 200	12	B	963-129	
EOB 300K100XL	300	100	100	± 200	17	C	963-129	
<b>EOS</b>								
EOS 150K50XL	150	50	50	± 100	17	C	963-129	
EOS 300K100XL	300	100	100	± 200	17	C	963-129	

## Pictograms

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 <b>KERN Communication Protocol (KCP):</b> It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required	 <b>GLP/ISO log:</b> The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 <b>Stainless steel:</b> The balance is protected against corrosion
 <b>Easy Touch:</b> Suitable for the connection, data transmission and control through PC, tablet or smartphone	 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device
 <b>Alibi memory:</b> Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.	 <b>Recipe level A:</b> The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 <b>Rechargeable battery pack:</b> Rechargeable set
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, CH; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 <b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %)	 <b>Weighing principle: Strain gauges</b> Electrical resistor on an elastic deforming body
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Weighing units:</b> 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	 <b>Weighing principle: Tuning fork:</b> A resonating body is electromagnetically excited, causing it to oscillate
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %)	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings
 <b>Analogue interface:</b> to connect a suitable peripheral device for analogue processing of the measurements	 <b>Weighing with tolerance range:</b> (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model	 <b>Weighing principle: Single cell technology:</b> Advanced version of the force compensation principle with the highest level of precision
 <b>Interface for second balance:</b> For direct connection of a second balance	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 <b>Verification possible:</b> The time required for verification is specified in the pictogram
 <b>Network interface:</b> For connecting the scale to an Ethernet network	 <b>DAkS calibration possible:</b> The time required for DAkS calibration is shown in days in the pictogram	 <b>DAkS calibration possible:</b> The time required for DAkS calibration is shown in days in the pictogram
 <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram
<small>*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN &amp; SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners.</small>	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram

## KERN – 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 - 2500 kg. In combination with a DAkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkS calibration laboratory today is one of the most modern and best-equipped DAkS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

### Range of services:

- DAkS calibration of balances with a maximum load of up to 50 t
- DAkS calibration of weights in the range of 1 mg - 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

## Your KERN specialist dealer:

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