

NEW



KERN EOB-2017



KERN EOS-2017

Modern parcel and veterinary scales, also with XL platform and large weighing ranges

**Features**

- weighing plate stainless steel, painted steel base
- Simple and convenient 4-key operation**
- Wall mount** for display device, standard
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

**Technical data**

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
  - A 300×300×65 mm
  - B 550×550×65 mm
  - C 550×550×65 mm
  - D 950×500×65 mm
  - E 950×500×65 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx.
  - A 1,8 m
  - B - D 2,7 m
- Optional battery operation, 4×1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 5 °C/35 °C

**Accessories**

- KERN EOB-2017: **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-16
- KERN EOB-2017: **Stand** to elevate display device, can be retrofitted, for models with weighing plate size A, height of stand approx. 480 mm, KERN A01N-2017
- Stand** to elevate display device, height of stand approx. 1000 mm, can be retrofitted, KERN MWS-A01-2017
- Protective working cover** over the display device standard. Can be re-ordered, scope of delivery: 5 items, KERN EOB-A02S05-2017

STANDARD

CAL EXT UNIT MOVE BATT DMS 1 DAY WARRANTY 2 YEARS

OPTION

B MULTI +3 DAYS DAKKS EOS-2017

Model	Weighing range [Max] kg	Readout [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Options	
							DAkKS Calibr. Certificate	DKD KERN
KERN								
EOB 15K5-2017	15	5	5	± 10	3,8	A	963-128	
EOB 35K10-2017	35	10	10	± 20	3,8	A	963-128	
EOB 60K20-2017	60	20	20	± 40	3,8	A	963-129	
EOB 60K20L-2017	60	20	20	± 40	12	C	963-129	
EOB 150K50-2017	150	50	50	± 100	3,8	A	963-129	
EOB 150K50L-2017	150	50	50	± 100	12	B	963-129	
EOB 300K100XL-2017	300	100	100	± 200	17	D	963-129	
EOB 300K100A-2017	300	100	100	± 200	3,8	A	963-129	
EOB 300K100L-2017	300	100	100	± 200	12	C	963-129	
EOB 150K50XL-2017	150	50	50	± 100	17	E	963-129	
EOS 150K50XL-2017	150	50	50	± 100	17	D	963-129	
EOS 300K100XL-2017	300	100	100	± 200	17	D	963-129	

## KERN Pictograms:



**Internal adjusting:** Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).



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



**Rechargeable battery pack:** Rechargeable set.



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



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



**Universal mains adapter:** with universal input and optional input socket adapters for  
A) EU, GB  
B) EU, GB, CH, USA  
C) EU, GB, CH, USA, AUS



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



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



**Mains adapter:** 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.



**Alibi memory:** Electronic archiving of weighing results, complying with the 2014/31/EU standard.



**Recipe level C:** 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.



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



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



**Weighing principle: Strain gauge**  
Electrical resistor on an elastic deforming body.



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



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



**Weighing principle: Tuning fork**  
A resonating body is electromagnetically excited, causing it to oscillate.



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



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



**Weighing principle: Electromagnetic force compensation**  
Coil inside a permanent magnet. For the most accurate weighings.



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



**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 principle: Single cell technology**  
Advanced version of the force compensation principle with the highest level of precision.



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



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



**Verification possible:**  
The time required for verification is specified in the pictogram.



**Control outputs (optocoupler, digital I/O):** To connect relays, signal lamps, valves, etc.



**Hold function:** (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.



**DAkKS calibration possible (DKD):** The time required for DAkKS calibration is shown in days in the pictogram.



**Interface for second balance:** For direct connection of a second balance.



**Protection against dust and water splashes IPxx:** The type of protection is shown in the pictogram.



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



**Network interface:** For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.



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



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



**Wireless data transfer:** between the weighing unit and the evaluation unit using an integrated radio module.



**Stainless steel:** The balance is protected against corrosion.



**Warranty:** The warranty period is shown in the pictogram.



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



**Suspended weighing:** Load support with hook on the underside of the balance.



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



**Battery operation:** Ready for battery operation. The battery type is specified for each device.

## 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 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 50 t
- DAkKS 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
- DAkKS 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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