



All-round parcel scale with practical Flip/Flop display device for greatest ease of use



Weighing instead of counting!

Because the counting function is so easy to use, you can rapidly record large numbers of small parts – which saves time and money!



Practical Flip/Flop display device

Flexible positioning e.g. free-standing or screwed to the wall (optional). By rotating the upper housing shell you can determine the angle of the display as well as the cable outlet

(Factory Option ex works for an additional cost, delivery time + 2 working days, KERN KIB-M01, see *Accessories* on the right, please indicate when placing your order)

Industrial platform scale KERN EOC



Features

- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (laboratory, production, quality control, commissioning etc.)
- **Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **Level indicator** and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Percentage determination:** makes it possible to store a given weight value (100 %) and to determine deviations from this target value

- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **Benchtop stand incl. wall mount** for display device as standard

Technical data

- Large backlit LCD display, digit height 24 mm
- Weighing plate dimensions W×D×H
 - A 300×300×100 mm
 - B 300×300×110 mm
 - C 500×400×120 mm
 - D 600×500×150 mm
 - E 950×500×60 mm

- Dimensions of display device W×D×H 268×115×80 mm
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items KERN EOC-A01S05
- **Wall mount** for display device, KERN EOC-A04
- **Stand** to elevate display device, height of stand approx. 330 mm, can be retrofitted, KERN EOC-A05
- **Conversion of the display device**, to move the cable outlet to the front of the display device, ideal e.g. for subsequent wall installation of the display device (standard configuration ex works: rear outlet), Factory Option, delivery time + 2 working days, KERN KIB-A01

STANDARD



OPTION

Model	Weighing range [Max] kg	Readout [d] g	Smallest part weight [counting] g/piece	Cable length mm	Net weight approx. kg	Weighing plate	Option		
							DAkkS Calibr. Certificate		
							DKD KERN		
KERN									
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]									
EOC 6K-3	3 6	1 2	1	3	7	A		963-128	
EOC 10K-3	6 12	2 5	2	3	7	A		963-128	
EOC 30K-3	15 35	5 10	5	3	7	A		963-128	
EOC 30K-3L	15 35	5 10	5	3	11	B		963-128	
EOC 60K-2	30 60	10 20	5	3	7	A		963-129	
EOC 60K-2L	30 60	10 20	5	3	11	B		963-129	
EOC 100K-2	60 150	20 50	5	3	7	A		963-129	
EOC 100K-2L	60 150	20 50	5	3	11	B		963-129	
EOC 100K-2XL	60 150	20 50	5	3	24	C		963-129	
EOC 100K-2XXL	60 150	20 50	5	2,7	16	D		963-129	
EOC 300K-2	150 300	50 100	5	3	11	B		963-129	
EOC 300K-2L	150 300	50 100	5	3	24	C		963-129	
EOC 6K-4A	6	0,5	0,5	3	7	A		963-128	
EOC 10K-3A	12	1	1	3	7	A		963-128	
EOC 20K-3A	24	2	1	3	7	A		963-128	
EOC 60K-3A	60	5	5	3	7	A		963-129	
EOC 100K-2A	120	10	5	3	11	B		963-129	
Dual-range balance with high resolution readout									
EOC 10K-4	6 15	0,2 0,5	2	3	7	A		963-128	
EOC 30K-4	15 35	0,5 1	5	3	11	B		963-128	
EOC 60K-3	30 60	1 2	10	3	7	A		963-129	
EOC 60K-3L	30 60	1 2	5	3	11	B		963-129	
EOC 100K-3	60 150	2 5	2	3	7	A		963-129	
EOC 100K-3L	60 150	2 5	2	3	11	B		963-129	
EOC 300K-3	150 300	5 10	5	3	11	B		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 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

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