

Industrial platform scale KERN EOC



Robust and high-resolution platform 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

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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.)
- **1 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
- **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
- **Protective working cover** included with delivery

Searching and remote control of the balance

using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol. Only possible through data interface RS-232, other interfaces on request

Technical data

- Large backlit LCD display, digit height 24 mm
- Weighing plate dimensions W×D×H
 - A 300×300×110 mm
 - B 500×400×120 mm, see larger picture
 - C 600×500×150 mm
 - D 950×500×60 mm
- Dimensions of display device W×D×H 268×115×80 mm
- Permissible ambient temperature -10 °C/40 °C

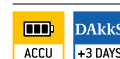
Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN EOC-A01S05
- **Internal rechargeable battery pack**, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01
- **Stand** to elevate display device, height of stand approx. 330 mm, KERN EOC-A05
- **3 Mount to fasten the display device** to the platform, KERN EOC-A03
- **Benchtop stand incl. wall mount** for display device, **Benchtop stand incl. wall mount** for display device, KERN EOC-A04
- **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-M01

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate	Option	
							DAKKS Calibr. Certificate	
KERN							DAKKS KERN	
EOC 6K-3	3 6	1 2	2,5	3	6	A	963-128	
EOC 10K-3	6 12	2 5	5	3	7	A	963-128	
EOC 30K-3	15 35	5 10	10	3	6	A	963-128	
EOC 30K-3L	15 35	5 10	10	3	9	B	963-128	
EOC 60K-2	30 60	10 20	20	3	6	A	963-129	
EOC 60K-2L	30 60	10 20	20	3	9	B	963-129	
EOC 100K-2	60 150	20 50	50	3	6	A	963-129	
EOC 100K-2L	60 150	20 50	50	3	9	B	963-129	
EOC 100K-2XL	60 150	20 50	50	3	19	C	963-129	
EOC 100K-2XXL	60 150	20 50	100	0,7 - 2,7	26	D	963-129	
EOC 300K-2	150 300	50 100	100	3	9	B	963-129	
EOC 300K-2L	150 300	50 100	100	3	19	C	963-129	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]								
EOC 10K-4	6 15	0,2 0,5	5	3	7	A	963-128	
EOC 30K-4	15 35	0,5 1	10	3	9	B	963-128	
EOC 60K-3	30 60	1 2	20	3	6	A	963-129	
EOC 60K-3L	30 60	1 2	20	3	9	B	963-129	
EOC 100K-3	60 150	2 5	50	3	7	A	963-129	
EOC 100K-3L	60 150	2 5	50	3	9	B	963-129	
EOC 300K-3	150 300	5 10	100	3	9	B	963-129	

Pictograms

Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	KERN Communication Protocol (KCP): 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	Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required		Stainless steel: The balance is protected against corrosion
Easy Touch: Suitable for the connection, data transmission and control through PC, tablet or smartphone	GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	Suspended weighing: Load support with hook on the underside of the balance
Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	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
Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.		Rechargeable battery pack: Rechargeable set
Data interface RS-232: To connect the balance to a printer, PC or network	Piece counting: Reference quantities selectable. Display can be switched from piece to weight	Universal mains adapter: with universal input and optional input socket adapters for A) EU, CH; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS
RS-485 data interface: To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
USB data interface: To connect the balance to a printer, PC or other peripherals	Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals	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	Weighing principle: Strain gauges Electrical resistor on an elastic deforming body
WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals		Weighing principle: Tuning fork: A resonating body is electromagnetically excited, causing it to oscillate
Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	Totalising level A: The weights of similar items can be added together and the total can be printed out	Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings
Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	Percentage determination: Determining the deviation in % from the target value (100 %)	Weighing principle: Single cell technology: Advanced version of the force compensation principle with the highest level of precision
Interface for second balance: For direct connection of a second balance	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	Verification possible: The time required for verification is specified in the pictogram
Network interface: For connecting the scale to an Ethernet network	Weighing with tolerance range: (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	DAKkS calibration possible: The time required for DAKkS calibration is shown in days in the pictogram
Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module	Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
		Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

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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: