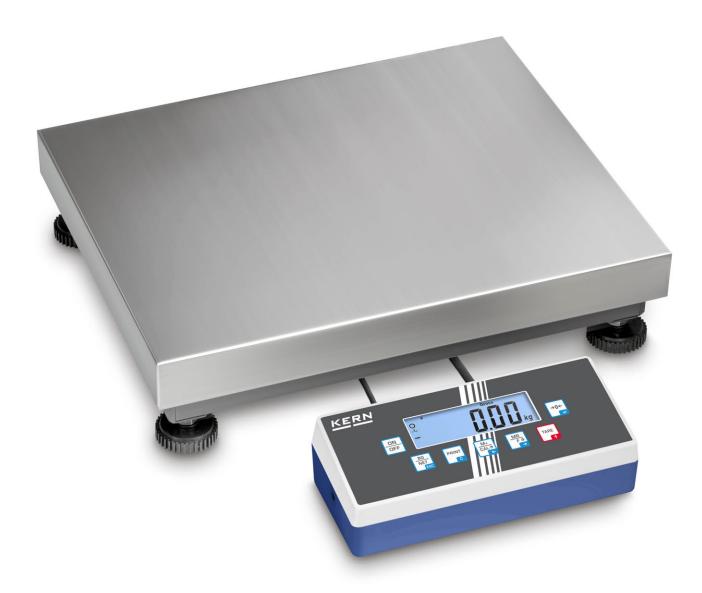


Industrial platform scale KERN EOC



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

KERN BALANCES & TEST SERVICES CATALOGUE 2021



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.)
- II 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 (checkweighing): 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.

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
- 300×300×110 mm500×400×120 mm, see larger picture
- 600×500×150 mm
- 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 rechargable battery pack, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01
- Istand to elevate display device, height of stand approx. 330 mm, KERN EOC-A05
- I Mount to fasten the display device to the platform, KERN EOC-A03
- 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	
		КСР	GLP			<u>%</u>		^-–						DAkkS
CAL EXT	RS 232	PROTOCOL	PRINTER	PCS	SUM	PERCENT	TOL	MOVE	IP 65	MULTI	DMS	1 DAY	ACCU	+3 DAYS

Capacity [Max] Capacity [Max] Capacity [Max] Weight [Normal] Darke generation approx. Darke generation approx. Darke generation m Darke generation kg EOC 6K-3 3 6 1 2 2,5 3 6 963-128 EOC 30K-3 15 35 5 10 10 3 6 963-128 EOC 30K-3 15 35 5 10 10 3 9 9 963-128 EOC 60K-2 30 60 10 20 20 3 6 963-129 EOC 60K-2 30 60 10 20 20 3 6 963-129 EOC 60K-2 60 150 20 50 50 3 9 963-129 EOC 100K-2L 60 150 20 50 50 3 9 963-129 EOC 100K-2L 60 150 20 50 50 3 9 963-129 EOC 100K-2L 60 150 20 50 100 0, 7 - 2,7 26 0 963-129 EOC 100K-2L 60 150 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
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	EOC 300K-3	150 300	5 10	100	3	9	В	963-129

KERN BALANCES & TEST SERVICES CATALOGUE 2021

KCP

PROTOCOL

GLP

INTERN

PRINTER

PCS

RECIPE

RECIPE

- 88'

SUM

PERCENT

C

UNIT

- → +<

TOL

^-

digital systems GLP/ISO log:

connection GLP/ISO log:

printers

Piece counting:

Recipe level A:

Recipe level B:

Totalising level A:

value (100 %)

Weighing units:

Hold function:

KERN Communication Protocol (KCP):

It is a standardized interface command set for

KERN balances and other instruments, which

devices featuring KCP are thus easily integrated

with computers, industrial controllers and other

The balance displays serial number, user ID,

With weight, date and time. Only with KERN

Reference quantities selectable. Display can

The weights of the recipe ingredients can

be added together and the total weight of

Internal memory for complete recipes with

The weights of similar items can be added

Determining the deviation in % from the target

Can be switched to e.g. nonmetric units at the

(Checkweighing) Upper and lower limiting can

be programmed individually, e.g. for sorting and

dosing. The process is supported by an audible

(Animal weighing program) When the weighing

conditions are unstable, a stable weight is calculated as an average value

or visual signal, see the relevant model

touch of a key. See balance model. Please refer

together and the total can be printed out

name and target value of the recipe ingredients.

be switched from piece to weight

the recipe can be printed out

User guidance through display

Percentage determination:

to KERN's website for more details

Weighing with tolerance range:

weight, date and time, regardless of a printer

allows retrieving and controlling all relevant parameters and functions of the device. KERN



Pictograms



Internal adjusting: Quick setting up of the balance's accuracy with



Adjusting program CAL:

For quick setting up of the balance's accuracy. External adjusting weight required

internal adjusting weight (motordriven)



Easy Touch: Suitable for the connection, data transmission and control through PC, tablet or smartphone.



Memory:

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



Alibi memory:

Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard

Data interface RS-232:

• 6550.• To connect the balance to a printer, PC or RS 232 network



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



USB data interface:

To connect the balance to a printer, PC or other peripherals

Bluetooth* data interface:

To transfer data from the balance to a printer, PC or other peripherals



*

WiFi data interface:

To transfer data from the balance to a printer, PC or other peripherals



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



Analogue interface:

to connect a suitable peripheral device for analogue processing of the measurements



Interface for second balance:

For direct connection of a second balance



Network interface:

For connecting the scale to an Ethernet network





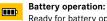
water splashes IPxx: The type of protection is shown in the pictogram

Protection against dust and

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UNDER the balance

Ę.





Ready for battery operation. The battery type

Suspended weighing:



is specified for each device

Load support with hook on the underside of



Rechargeable battery pack: Rechargeable set

Universal mains adapter:

with universal input and optional input socket MULTI adapters for A) EU, CH, GB; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS



Mains adapter:

230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available

Power supply:



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



Weighing principle: Strain gauges:

Electrical resistor on an elastic deforming body



Weighing principle: Tuning fork:

A resonating body is electromagnetically excited, causing it to oscillate



Weighing principle: Electromagnetic force compensation:

Coil inside a permanent magnet. For the most accurate weighings



Weighing principle: Single cell technology:



Advanced version of the force compensation principle with the highest level of precision



The time required for verification is specified +3 DAYS in the pictogram

DAkkS calibration possible (DKD): DAkkS The time required for DAkkS calibration is +3 DAYS shown in days in the pictogram

Factory calibration (ISO):



The time required for Factory calibration is shown in days in the pictogram



Package shipment:



The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment:



Your KERN specialist dealer:

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 DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and bestequipped 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, EN, FR, IT, ES, NL, PL
- · Conformity evaluation and reverification of balances and test weights