KERN

PRODUCT BROCHURE

KERN
EOC 100K-3

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Robust and high-resolution platform scale with practical Flip/Flop display device for greatest ease of use

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PRODUCT SHOWCASE





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DESCRIPTION

- 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 of stainless steel, painted steel base, silicone-coated aluminium load cell with 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	EOC 100K-3
Model-Serie	EOC
Assortment	KERN

Product Type	Industrial scales
Product group	Platform scales
Product usage type	Main article
EAN code (Model)	4045761192256
Customs tariff number	84238220
CE Label	yes
Country of Origin	CN

Technical data - Primary

Weighing capacity	60 kg; 150 kg
Readability	0.002 kg; 0.005 kg
Minimum piece weight	50 g
Net weight	5.2 kg
Platform size	300×300 mm
Indicator cable length	3 m
Dimension weighing platform (W×D×H)	300×300×110 mm

Technical data - Construction

Dimensions display casing (W×D×H)	268×115×80 mm
Material weighing plate	stainless steel
Material Platform construction	mild steel
Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	300×300 mm
Dimensions of weighing plate (W×D)	300×300 mm
Indicator cable length	3 m
Wall mount	yes
IP protection indicator	no IP protection
IP protection platform	IP65
IP protection load cell	IP65

Technical data - Display

Display height	25 mm
Backlight	yes

Technical data - Power supply

Operating time	100 h
Mains adapter/adapter included	CH;EURO;UK
Charging time	3 h
Input Voltage	100V-240V, 0.4A
Operating time (Backlight off)	43 h
Rechargeable battery	Rchrg. battery optional - intern

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.006 kg; 0.015 kg
Readability	0.002 kg; 0.005 kg
Recommended adjusting weight	150 kg (F2)
Repeatability	0.002 kg; 0.005 kg
Resolution	30.000, 30.000
Stabilisation time under laboratory conditions	3 s

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Tare range	150 kg
Warm up time	120 min
Weighing system	Strain gauge
Weighing units	kg;lb;oz;PCS
Linearity (in dots)	3
load cell connection	4-guide

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	40 °C
Minimum ambient temperature	-10 °C
Minimum humidity	0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	710×360×185 mm
Gross weight	8 kg
Net weight	6 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	760 g
Packaging component - by weight - plastics	12 g
Packaging component - by weight - foam	305 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	30000
Mininum piece weight at piece counting (Laboratory)	5 g
Minimum piece weight	50 g

Optional Services

DAkkS Calibration	963-129

FUNCTIONS

Standard



Option



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ACCESSORIES

Model	Description
KFB-A01	Internal Rechargeable Battery Pack KERN KFB-A01
YKN-01	Matrix needle printer KERN YKN-01
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
EOC-A01	Protective Working Cover KERN EOC-A01
EOC-A03	Bracket KERN EOC-A03
EOC-A04	Bracket KERN EOC-A04
EOC-A05	Stand KERN EOC-A05
EOC-A01S05	Protective Working Cover KERN EOC-A01S05
EOB-A02B	Column for KERN EOB-A02B
YKA-20	Power Adapter KERN YKA-20
EOC-A12	Interface cable EOC-A12
AFH 13	Converter KERN AFH 13
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
YGR-01	ESD earthing kit YGR-01
YKC-01	Thermal printer KERN YKC-01
YKT-01	Needle printer KERN YKT-01

SERVICES

Model	Description
963-129	DAkkS Calibration KERN 963-129
961-249	Adjustment at the location of installation 961-249
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

SPARE PARTS

Model	Description
KFB-A01	Internal Rechargeable Battery Pack KERN KFB-A01
EOC-A01	Protective Working Cover KERN EOC-A01

Model	Description
YKA-20	Power Adapter KERN YKA-20
REOC-8001	Adjustable base foot REOC-8001
REOC-8004	Level bubble REOC-8004
REOC-6001	Weighing plate KERN REOC-6001
RKIB-5001	Power socket KERN RKIB-5001
RKIB-8002	Rubber base display KERN RKIB-8002
RKIB-TM-3001	LCD Display RKIB-TM-3001
REOC-1002	Load cell KERN REOC-1002
RKIB-TM-4001	Keyboard overlay KERN RKIB-TM-4001
REOC-2002	Processor PCB KERN REOC-2002
REOC-2001	Main PCB KERN REOC-2001

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Minimum piece weight	Net weight	Platform size	Indicator cable length	Dimension weighing platform (W×D×H)
EOC 100K-2	60 kg; 150 kg	0.02 kg; 0.05 kg	500 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 100K-2L	60 kg; 150 kg	0.02 kg; 0.05 kg	500 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 100K-2XL	60 kg; 150 kg	0.02 kg; 0.05 kg	500 g	18.4 kg	600×500 mm	3 m	600×500×150 mm
EOC 100K-2XXL	60 kg; 150 kg	0.02 kg; 0.05 kg	500 g	16.2 kg	950×500 mm	3 m	950×500×60 mm
EOC 10K-3	6 kg; 12 kg	0.002 kg; 0.005 kg	50 g	5.2 kg	300×300 mm	3 m	300×300×110 mm

Model name	Weighing capacity	Readability	Minimum piece weight	Net weight	Platform size	Indicator cable length	Dimension weighing platform (W×D×H)
EOC 300K-2	150 kg; 300 kg	0.05 kg; 0.1 kg	1 kg	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 300K-2L	150 kg; 300 kg	0.05 kg; 0.1 kg	1 kg	18.4 kg	600×500 mm	3 m	600×500×150 mm
EOC 30K-3	15 kg; 35 kg	0.005 kg; 0.01 kg	100 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 30K-3L	15 kg; 35 kg	0.005 kg; 0.01 kg	100 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 60K-2	30 kg; 60 kg	0.01 kg; 0.02 kg	200 g	6.5 kg	300×300 mm	3 m	300×300×110 mm
EOC 60K-2L	30 kg; 60 kg	0.01 kg; 0.02 kg	200 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 6K-3	3 kg; 6 kg	0.001 kg; 0.002 kg	20 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 100K-3	60 kg; 150 kg	0.002 kg; 0.005 kg	50 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 100K-3L	60 kg; 150 kg	0.002 kg; 0.005 kg	50 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 10K-4	6 kg; 15 kg	0.0002 kg; 0.0005 kg	5 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 300K-3	150 kg; 300 kg	0.005 kg; 0.01 kg	100 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 30K-4	15 kg; 35 kg	0.0005 kg; 0.001 kg	10 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 100K-2A	120 kg	0.01 kg	100 g	9 kg	500×400 mm	3 m	500×400×120 mm
EOC 10K-3A	12 kg	0.001 kg	10 g	6.1 kg	300×300 mm	3 m	300×300×110 mm
EOC 20K-3A	24 kg	0.002 kg	20 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 60K-3A	60 kg	0.005 kg	50 g	6.5 kg	300×300 mm	3 m	300×300×110 mm
EOC 6K-4A	6 kg	0.0005 kg	5 g	5.2 kg	300×300 mm	3 m	300×300×110 mm
EOC 60K-3	30 kg; 60 kg	0.001 kg; 0.002 kg	20 g	6.6 kg	300×300 mm	3 m	300×300×110 mm
EOC 60K-3L	30 kg; 60 kg	0.001 kg; 0.002 kg	20 g	9 kg	500×400 mm	3 m	500×400×120 mm

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Model name	Weighing capacity	Readability	Minimum piece weight	Net weight	Platform size	Indicator cable length	Dimension weighing platform (W×D×H)
EOC 30K-4S	15 kg; 35 kg	0.0005 kg; 0.001 kg	10 g	5.2 kg	300×300 mm	3 m	300×300×110 mm