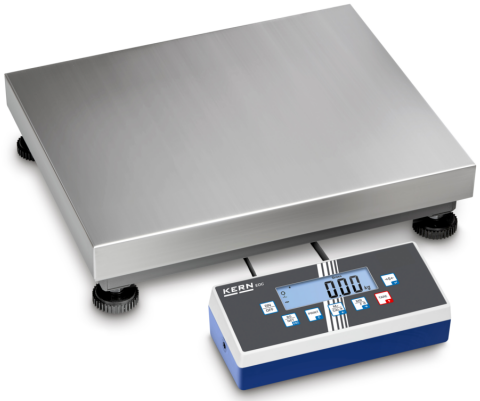
KERN **EOC 100K-3L**

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



Date of creation: 02.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	EOC

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	60 kg; 150 kg
Readability [d]	0,002 kg; 0,005 kg
Reproducibility	0,002 kg; 0,005 kg
Linearity	± 0,006 kg; 0,015 kg
Resolution	30.000, 30.000
Tare range	150 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (F2)
Stabilization time	3 s
Linearisation in dots	3
Eccentric loading at 1/3 [Max]	0,01 kg; 0,025 kg
Construction type of the scale	Multi-range balance
Units	kg lb oz PCS
Load cell connection	4-wire
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated
Warm-up time	120 min

Display

Display type	LCD
Display type	LCD
Display backlight	✓
Display screen size	110×35 mm
Display segments	6
Display digit height - smallest digit	25 mm
Display digit height	25 mm

Construction

Dimensions completely mounted (W×D×H)	260×110×120 mm
Dimension display device (W×D×H)	268×115×80 mm
Dimensions weighing surface (W×D)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×120 mm
Material weighing plate	stainless steel
Material platform	mild steel
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	330 mm
Stand inclinable	✓
Wall mount	✓
Display device cable length	3 m
Load cells - number	1

Functions

IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	IP65
IP protection - load cell	IP65
Percentage determination	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 30 min 15 min

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Auto-off interval(s) in mains power mode	3 min off 5 min 30 min 15 min
Tare function	manual (single & multi)
Counting resolution (laboratory conditions)	30.000
Smallest piece weight when piece counting - laboratory conditions	5 g
Reference quantity	10, 20, 50, 100, 200
Recipe/summing level	Sum A
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	50 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK CH
Input voltage power supply / power [Max]	100 V-240 V, 0.4 A
Input voltage device / power [Max]	12 V, 1000 mA
Power socket for mains adapter	Inside plus, outside minus
Battery / accumulator type	Pb
Battery operating time	100 h
Rechargeable battery	6 V; 1.3 Ah
Rechargeable battery operating time - backlight on	26 h
Rechargeable battery operating time - backlight off	43 h
Rechargeable battery charging time	3 h
Rechargeable battery optional	Rchrg. battery optional - intern
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %

Services (optional)

Article number for adjustment at the location of installation	961-249
Article number for DAkkS calibration	963-129
Article number for certificate of conformity	969-517

Packing & Shipping

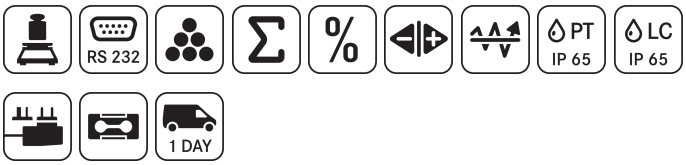
Delivery time	1 d
Dimensions packaging (W×D×H)	885×490×170 mm
Shipping method	Parcel service
Net weight approx.	9 kg
Gross weight approx.	13 kg
Shipping weight	14,7 kg
Shipping volume weight	14,7 kg

Product information

GTIN/EAN number	4045761192263
Trade number	84238220
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION