

KERN EOC 100K-2XXL

KERN

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



Display

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

Construction

Dimension display device (W×D×H)	268×115×80 mm
Dimensions weighing platform (W×D×H)	950×500×60 mm
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	mild steel
Dimensions weighing surface (W×D)	950×500 mm
Display device cable length	2,7 m
Material load cell(s)	aluminium
Load cells - number	4
Levelling feet adjustable	✓
Wall mount	✓
Stand height	330 mm
Stand inclinable	✓

Functions

Number of keys for operation	7
Auto-off interval(s) in mains power mode	3 min off 5 min 30 min 15 min
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 30 min 15 min
Tare function	manual (single & multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Interfaces	RS-232 standard

Category

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

Measuring System

Construction type of the scale	Multi-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	60 kg; 150 kg
Readability [d]	0,02 kg; 0,05 kg
Resolution	3.000, 3.000
Linearity	± 0,06 kg; 0,15 kg
Linearisation in dots	3
Reproducibility	0,02 kg; 0,05 kg
Tare range	150 kg
Default unit	kg
Units	kg g lb oz PCS
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	0,1 kg; 0,25 kg
Maximum creep (15 minutes)	200 g
Maximum creep (30 minutes)	400 g
Load cell connection	4-wire

Approval

CE mark	✓
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IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65
IP protection - platform	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	10 g
Smallest piece weight when piece counting - normal conditions	100 g
Reference quantity	10, 20, 50, 100, 200
Counting resolution (laboratory conditions)	15.000

Power Supply

Input voltage power supply / power [Max]	100 V-240 V, 0.4 A
Input voltage device / power [Max]	12 V, 1000 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK CH
Rechargeable battery optional	Rchrg. battery optional - intern
Rechargeable battery charging time	3 h
Rechargeable battery operating time - backlight on	26 h
Rechargeable battery operating time - backlight off	43 h
Battery / accumulator type	Pb
Battery operating time	100 h

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	1015×582×185 mm
Net weight	16,2 kg
Shipping method	Parcel service
Net weight approx.	17 kg
Gross weight approx.	20 kg
Shipping weight	21,9 kg

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 (verification)	969-517

Pictograms

STANDARD



OPTION

