

KERN IOC 100K-3L

High-resolution allround platform scale with a wide range of communication options



Load cell connection 4-wire

Approval

CE mark ✓

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

Languages of the user interface Symbol language

Construction

Dimension display device (W×D×H) 268×115×80 mm

Dimensions weighing platform (W×D×H) 650×500×150 mm

Material display housing Plastics

Material weighing plate stainless steel

Material platform mild steel

Dimensions weighing surface (W×D) 650×500 mm

Display device cable length 3 m

Material load cell(s) aluminium

Load cells - number 1

Levelling feet adjustable ✓

Wall mount ✓

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

3 min

off

5 min

30 min

15 min

PreTare function ✓

Tare function manual (multi)

Percentage determination ✓

Counting function ✓

Tolerance weighing ✓

Category

Brand KERN

Product category Industrial scale

Product group Platform scale

Product family IOC

Measuring System

Construction type of the scale Multi-range balance

Weighing system Strain gauge

Weighing capacity [Max] 60 kg; 150 kg

Readability [d] 0,002 kg; 0,005 kg

Resolution 30.000, 30.000

Linearity ± 0,006 kg; 0,015 kg

Linearisation in dots 3

Reproducibility 0,002 kg; 0,005 kg

Default unit kg

kg

g

lb

oz

PCS

tj

HJ

Minimum weight [Min] 0,4 kg; 1 kg

Adjustment options Adjusting with external weight

Recommended adjusting weight 150 kg (M1)

Stabilization time 2 s

Warm-up time 120 min; 120 min

Eccentric loading at 1/3 [Max] 0,1 kg; 0,25 kg

Maximum creep (15 minutes) 20 g

Maximum creep (30 minutes) 40 g

Loadcell type aluminium IP65 silicone-coated

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Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Interfaces	RS-232 standard
	Ethernet (optional, factory)
	USB (optional, factory)
	WiFi (optional, factory)
	Alibi memory (optional, factory)
	USB-Host/Master (optional, factory)
IP protection - complete device	IP65
	IP65
	IP65
	IP65
Verification plug (optional, factory)	
Bluetooth BLE (v4.0) (optional, factory)	

Counting	
Smallest piece weight when piece counting - laboratory conditions	5 g
Smallest piece weight when piece counting - normal conditions	50 g
Reference quantity	10, 20, 50, 100, 200
Counting resolution (laboratory conditions)	30.000

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0.4 A max
Input voltage device / power [Max]	12 V DC, 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
	US
	CH
Plug-in power supply / adapter for countries - optional	EURO
	AUS
	UK
Rechargeable battery optional	US
	Rchrg. battery optional

Rechargeable battery charging time	3 h
Rechargeable battery operating time - backlight on	26 h
Rechargeable battery operating time - backlight off	43 h
Battery	no battery
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)	1090×660×170 mm
Net weight	21,9 kg
Shipping method	Parcel service
Net weight approx.	22 kg
Gross weight approx.	26 kg
Shipping weight	24,72 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

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Pictograms

STANDARD



OPTION



FACTORY

