

KERN IOC 100K-2LM

KERN

Allround platform scale with a wide range of communication options, verification optional



Category	
Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	IOC

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	60 kg; 150 kg
Readability [d]	0,02 kg; 0,05 kg
Reproducibility	0,02 kg; 0,05 kg
Linearity	± 0,02 kg; 0,05 kg
Minimum weight [Min]	0,4 kg; 1 kg
Conformity assessment possible	✓
Resolution	3.000, 3.000
Tare range	-150 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Stabilization time	2 s
Warm-up time	10 min; 10 min
Linearisation in dots	3
Eccentric loading at 1/3 [Max]	0,02 kg; 0,05 kg
Load cell connection	4-wire
Units (if device is conformity assessed)	kg
Construction type of the scale	Multi-range balance
Units	kg
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated

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
Languages of the user interface	Symbol language

Construction	
Dimension display device (W×D×H)	268×115×80 mm
Dimensions weighing surface (W×D)	650×500 mm
Dimensions weighing surface	650×500 mm
Dimensions weighing platform (W×D×H)	650×500×150 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 inclinable	✓
Wall mount	✓
Display device cable length	3 m
Platform Construction	Single-Cell
Load cells - number	1

Functions	
PreTare function	✓
Recipe/summing level	Sum A
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Smallest piece weight when piece counting - laboratory conditions	5 g
Smallest piece weight when piece counting - normal conditions	50 g

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Reference quantity	10, 20, 50, 100, 200
IP protection - complete device	IP65
IP protection - display	IP65
IP protection - platform	IP65
IP protection - load cell	IP65

Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
	off
	5 min
	30 min
	15 min

Auto-off interval(s) in mains power mode	3 min
	off
	5 min
	30 min
	15 min

Tare function	manual (multi)
Number of keys for operation	7

Interface

Interfaces	RS-232 standard
	Ethernet (optional, factory)
	USB (optional, factory)
	WiFi (optional, factory)
	Alibi memory (optional, factory)
	USB-Host/Master (optional, factory)

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter

Plug-in power supply / adapter for countries - included with the delivery	EURO
	UK
	US
	CH

Plug-in power supply / adapter for countries - optional	EURO
	UK
	US

Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0.4 A max
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Power supply cable removable	removable
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Input voltage device / power [Max]	12 V DC, 1000 mA
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Power socket for mains adapter	Inside plus, outside minus
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Battery / accumulator type	Pb
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Battery operating time	100 h
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Rechargeable battery	6 V; 1.3 Ah
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Rechargeable battery operating time - backlight on	26 h
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Rechargeable battery operating time - backlight off	43 h
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Rechargeable battery charging time	3 h
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Rechargeable battery optional	Rchrg. battery optional - intern
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Battery/Accu connected	fixed electrical connection, not insulated
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Environmental conditions

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

CE mark	✓
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Conformity assessment possible ex works	✓
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Accuracy classe	III
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Verification scale interval [e]	0,02 kg; 0,05 kg
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Services (optional)

Article number for adjustment at the location of installation	961-249
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Article number for conformity assessment	965-229
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Article number for DAkKS calibration	963-129
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	1090×660×170 mm
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Shipping method	Parcel service
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Net weight approx.	22 kg
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Gross weight approx.	26 kg
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Shipping weight	24,72 kg
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Product information

GTIN/EAN number	4045761207189
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REACH classification	no prohibited substances
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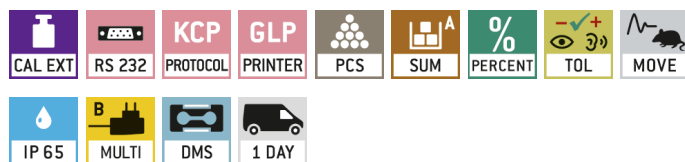
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Pictograms

STANDARD



OPTION



FACTORY

