KERN **IXC 100K-2LM**

KERN

Convenience for industry: Stainless steel platform scales with up to four interfaces and intuitive operation, with optional verification

Category	
Brand	KERN
Product categoriy	Industrial scale
Product group	Platform scale
Product family	IXC

Measuring System	
Construction type of the scale	Multi-range balance
Number of weighing ranges	2
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	± 0,02 kg; 0,05 kg
Reproducibility	0,02 kg; 0,05 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg g
Minimum weight [Min]	0,4 kg; 1 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Stabilization time	3 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	0,02 kg; 0,05 kg
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

Approval	
CE mark	✓
Accuracy classe	III

Verification scale interval [e]	0,02 kg; 0,05 kg
Conformity assessment possible ex works	✓

Display	
Display type	LCD
Display type	LCD with backlight
Display screen size	160×60 mm
Display backlight	✓
Display digit height	48 mm
Languages of the user interface	English Symbol language

Construction	
Dimension display device (W×D×H)	232×150×80 mm
Dimensions weighing platform (W×D×H)	650×500×139 mm
Material display housing	stainless steel
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	650×500 mm
Display device cable length	3 m
Allowed cable length display device [Max]	10 m
Material load cell(s)	aluminium
Load cells - number	1
Levelling feet adjustable	✓
Wall mount	✓

Functions	
Number of keys for operation	7
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Hold function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

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Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Interfaces	RS-232 (optional, factory) Ethernet (optional, factory) WiFi (optional, factory) Alibi memory (optional, factory) analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device (optional, factory)
IP protection - complete device	-
IP protection - display	IP68
IP protection - load cell	IP65
IP protection - platform	no IP protection

Counting

Smallest piece weight when piece counting - laboratory conditions	5 g
Smallest piece weight when piece counting - normal conditions	50 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	30.000

Power Supply

Input voltage power supply / power [Max]	110 V - 240 V AC
Plug-in power supply type	Built-in power supply
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
Rechargeable battery optional	Rchrg. battery optional - intern
Rechargeable battery charging time	8 h

Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	48 h
Battery	no battery
Battery / accumulator type	Li-Ion

Environmental conditions

Humity of environment [Min]	0 %
Humity 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)	1040×660×245 mm
Net weight	18 kg
Shipping method	Parcel service
Net weight approx.	18 kg
Gross weight approx.	24 kg
Shipping weight	33,6 kg

Services (optional)

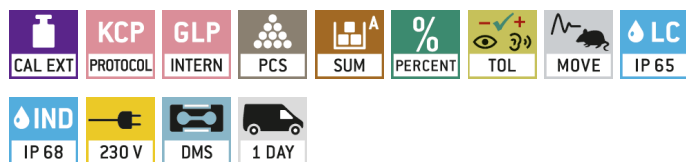|	
Article number for adjustment at the location of installation	961-249
Article number for conformity assessment	965-229
Article number for DAkkS calibration	963-129
Article number for certificate of conformity (verification)	969-517

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Pictograms

STANDARD

CAL EXT	KCP PROTOCOL	GLP INTERN	PCS	SUM	PERCENT	TOL	MOVE	LC IP 65

IND IP 68	230 V	DMS	1 DAY

OPTION

ET	DAkkS +3 DAYS

FACTORY

ALIBI	RS 232	USB	BT	WIFI	ANALOG	LAN	ACCU	M +3 DAYS