KERN **IXC 100K-3-EX2**

Comfort and safety combined: Stainless steel platform scale with intuitive operation for hazardous areas, as an option with external rechargeable battery pack



Date of creation: 13.09.2026

Category	
Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	IXC-EX2

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	150 kg
Readability [d]	5 g
Reproducibility	5 g
Linearity	± 15 g
Resolution	30.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Possible calibration points	150 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	25 g
Construction type of the scale	Single-range balance
Load cell connection	6-wire
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated

Display	
Display type	LCD
Display type	LCD with backlight
Display backlight	✓
Display screen size	160×60 mm
Display segments	6
Display digit height	48 mm
Languages of the user interface	English Symbol language

Construction	
Dimension display device (W×D×H)	237,5×162,5×78 mm
Dimensions weighing surface (W×D)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×127 mm
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Material display housing	stainless steel
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Wall mount	✓
Display device cable length	2,7 m
Platform Construction	Single-Cell

Functions	
Sum memory function	✓
Recipe/summing level	Sum A
Percentage determination	✓
Use in potentially explosive areas possible	✓
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
Counting reference weight can be entered	✓
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	5, 10, 20, 50, n (any number of pieces)
IP protection - display	IP65 / IP69
IP protection - load cell	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	off 30 s, 1 min, 2 min, 5 min, 30 min, 60 min
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	7

Interface

Interfaces	RS-232 (optional) Ethernet (optional) WiFi (optional, factory) Alibi memory (optional, factory) analogue (0 - 10 V) (optional) analogue (4 - 20 mA) (optional) Bluetooth BLE (v4.0) (optional, factory) USB-Device (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply unit
Input voltage power supply / power [Max]	100 - 240 VAC, 0.12A
Input voltage device / power [Max]	100 - 240 VAC, 0.12A
Power socket for mains adapter	Cable permanently installed
Battery / accumulator type	Li-Ion
Battery	no battery
Battery connection	Connector pin
Rechargeable battery	3,7V 10Ah
Rechargeable battery operating time - backlight on	60 h
Rechargeable battery operating time - backlight off	160 h
Rechargeable battery charging time	6 h
Rechargeable battery optional	Rchrg. battery optional (factory)

Environmental conditions

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

Approval

CE mark	✓
ATEX approval	✓
ATEX class gas	II 3G Ex ec [ic] IIC T4 Gc
ATEX class dust	II 3D Ex tc [ic] IIIC T80°C Dc

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	4 d
Dimensions packaging (W×D×H)	555×930×220 mm
Shipping method	Parcel service
Net weight approx.	12 kg
Gross weight approx.	15 kg
Shipping weight	22,7 kg
Shipping volume weight	22,7 kg

Product information

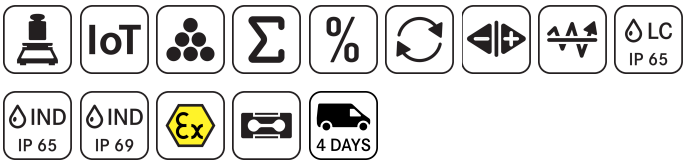
GTIN/EAN number	4045761485310
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION



FACTORY

