KERN **CXB 3K1NM**

Entry level model into professional counting, counting resolution of 30,000 points, verification optional

Date of creation: 02.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	CXB

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	3000 g
Readability [d]	1 g
Reproducibility	1 g
Linearity	± 2 g
Minimum weight [Min] (verifiable)	20 g
Resolution	3.000
Tare range	3000 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (M1); 1 kg (M1)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	3 g
Construction type of the scale	Single-range balance
Units	kg g
Units (if device is conformity assessed)	g
Default unit	g
Warm-up time	10 min

Display

Display type	LCD
Display backlight	✓
Display digit height	18 mm

Construction

Dimension housing (W×D×H)	300×330×110 mm
Dimensions weighing surface (W×D)	300×225 mm
Dimensions weighing surface	300×225 mm
Material housing	plastic
Material weighing plate	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Tare function	manual (multi)
Underfloor weighing	None
Counting resolution (laboratory conditions)	3.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 g
Reference quantity	n (any number of pieces)
Recipe/summing level	Rez A (Net total)
Number of keys for operation	20
Smallest piece weight when piece counting - normal conditions	10 g
Tolerance weighing - type of signal	acoustically

Power Supply

Supplied power supply	Accu & Power supply
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	UK CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Power supply cable removable	removable
Power socket for mains adapter	Power supply cable

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Battery / accumulator type	Pb
Battery connection	Plug-in terminals
Battery – Individual weight	741,8 g
Rechargeable battery	6 V, 4 Ah
Rechargeable battery operating time - backlight on	60 h
Rechargeable battery operating time - backlight off	200 h
Rechargeable battery charging time	8 h
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	15 %
Humity of environment [Max]	85 %

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for conformity assessment	965-227
Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	380×390×170 mm
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	4,4 kg
Shipping weight	5 kg
Shipping volume weight	5 kg

Product information

GTIN/EAN number	4045761162686
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION

FACTORY