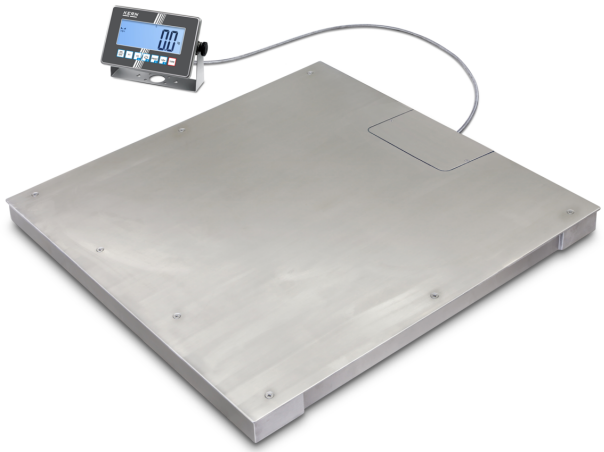
KERN **BXC 600K-1SM**

Stainless steel floor scale with screwed-on weighing plate (IP67) and stainless steel display device (IP68), verification optional



Date of creation: 04.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Floor scale
Product family	BXC

Measuring System

Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	600 kg
Readability [d]	0,2 kg
Reproducibility	0,2 kg
Linearity	± 0,6 kg
Minimum weight [Min] (verifiable)	4 kg
Resolution	3.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 kg (M1)
Stabilization time	3 s
Linearisation in dots	2
Eccentric loading at 1/3 [Max]	1 kg
Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Units	kg g ffa PCS %
Units (if device is conformity assessed)	kg g
Load cell connection	6-wire
Default unit	kg
Loadcell type	ZEMIC BM8H 0.5 ton
Warm-up time	10 min

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)	232×150×77,3 mm
Dimensions weighing surface (W×D)	1000×1000 mm
Dimensions weighing surface	1000×1000 mm
Dimensions weighing platform (W×D×H)	1000×1000×85 mm
Material weighing plate	stainless steel
Material platform	stainless steel
Material display housing	stainless steel
Material load cell(s)	stainless steel
Material substructure	stainless steel
Level indicator	✓
Levelling feet adjustable	✓
Stand rotatable	no
Stand inclinable	no
Wall mount	✓
Display device cable length	5 m
Platform Construction	Screwed load plate; smooth surface (unscrewable)
Load cells - number	4

Functions

Hold function	✓
IP protection - complete device	-
IP protection - display	IP68
IP protection - platform	IP67
IP protection - load cell	IP68
PreTare function	✓
Percentage determination	✓

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Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Counting resolution (laboratory conditions)	3.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Recipe/summing level	Sum A
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	2 kg
Tolerance weighing - type of signal	acoustically

Interface

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)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply unit
Power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Input voltage power supply / power [Max]	110 V - 240 V AC
Power supply cable removable	fixed connection
Power socket for mains adapter	Cable permanently installed
Battery	no battery
Rechargeable battery operating time - backlight on	11 h
Rechargeable battery operating time - backlight off	22 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

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

Services (optional)

Article number for adjustment at the location of installation	961-250
Article number for conformity assessment	965-230
Article number for DAkkS calibration	963-130
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	3 d
Dimensions packaging (W×D×H)	1115×1080×350 mm
Shipping method	Freight
Net weight approx.	100 kg
Gross weight approx.	135 kg
Shipping weight	132 kg
Shipping volume weight	84,3 kg

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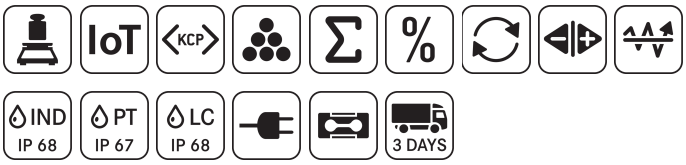
Product information

GTIN/EAN number	4045761481732
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

FACTORY