KERN **SXC 6K-3M**

Interlinked for industry of the future: Stainless steel platform scale with up to four data interfaces and optional alibi memory, with optional verification

Date of creation: 03.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Stainless steel platform scale
Product family	SXC

Measuring System

Weighing system	Strain gauge
Number of weighing ranges	2
Weighing capacity [Max]	3 kg; 6 kg
Readability [d]	0,001 kg; 0,002 kg
Reproducibility	0,001 kg; 0,002 kg
Linearity	± 0,001 kg; 0,002 kg
Minimum weight [Min] (verifiable)	0,02 kg; 0,04 kg
Resolution	3.000, 3.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M1)
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,001 kg; 0,002 kg
Conformity assessment possible	✓
Construction type of the scale	Multi-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	stainless steel IP68 encapsulated
Warm-up time	10 min; 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)	300×240 mm
Dimensions weighing surface	300×240 mm
Dimensions weighing platform (W×D×H)	300×240×107 mm
Material weighing plate	stainless steel
Material platform	stainless steel
Material display housing	stainless steel
Material load cell(s)	stainless steel
Level indicator	✓
Levelling feet adjustable	✓
Stand rotatable	no
Stand inclinable	no
Wall mount	✓
Transport safety lock - bolt torque	0,1 Nm
Cable length	3 m
Display device cable length	3 m
Allowed cable length display device [Max]	20 m
Platform Construction	Single-Cell
Load cells - number	1

Functions

Hold function	✓
IP protection - complete device	-
IP protection - display	IP68
IP protection - platform	no IP protection
IP protection - load cell	IP68, IP69K

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PreTare function	✓
Percentage determination	✓
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)	6.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 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	10 g
Tolerance weighing - type of signal	acoustically visual

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	20 h
Rechargeable battery operating time - backlight off	48 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	961-248
Article number for conformity assessment	965-228
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	700×410×230 mm
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	9 kg
Shipping weight	13,2 kg
Shipping volume weight	13,2 kg

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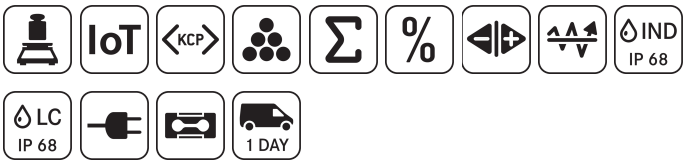
Product information

GTIN/EAN number	4045761359000
Trade number	84238129
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

FACTORY