PROFESSIONAL MEASURING
SINCE 1844

KERN

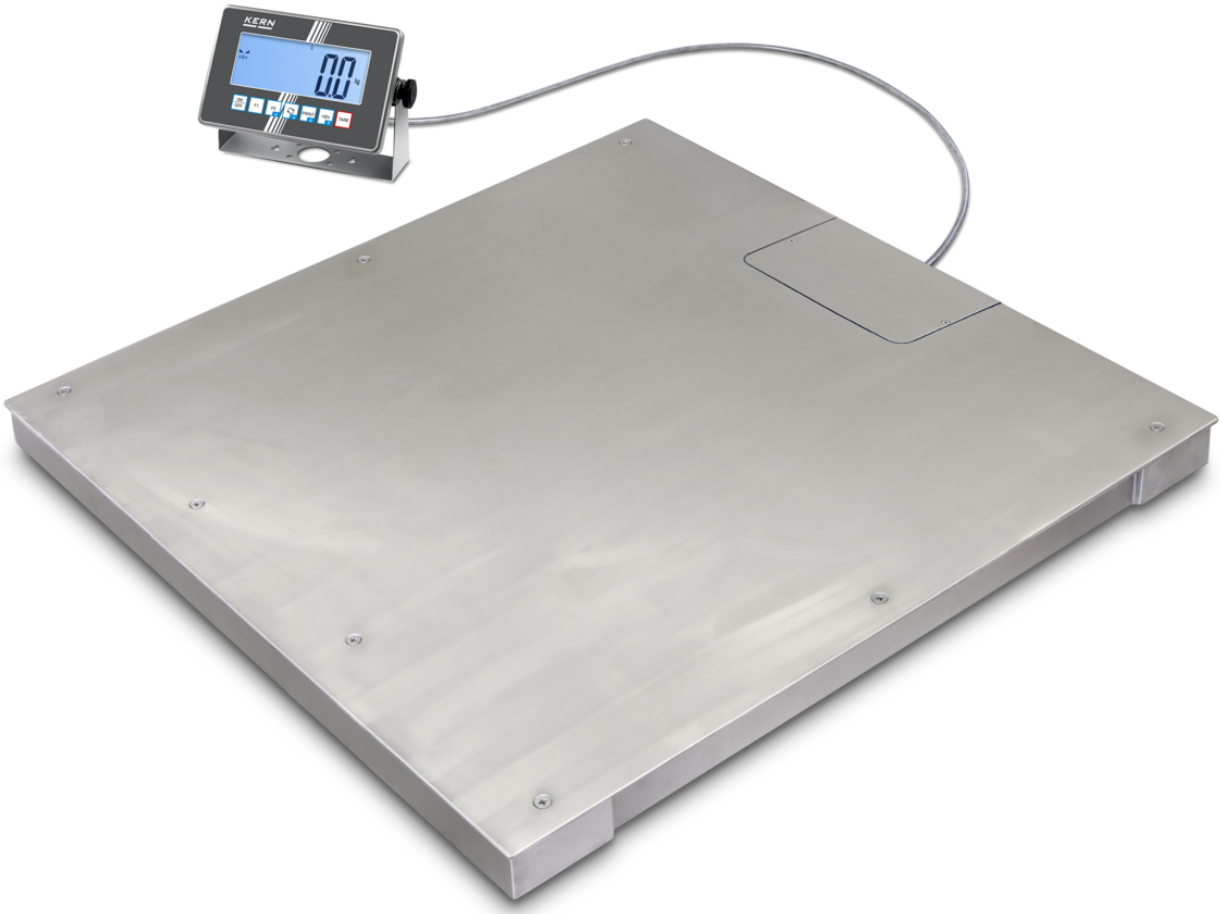
Product brochure

31.10.2026

KERN BXC 600K-1SM

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

ENGLISH



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FEATURES

- Tough industry standard suitable for use in harsh industrial applications
- Weighing plate screwed on from the top with stainless steel screws, so it‘s easy to remove, hygienic and easy to clean
- Weighing bridge: stainless steel, extremely resistant to bending due to material thickness, 4 hermetically welded stainless steel load cells, IP68 dust and spray protection
- Easy levelling of the weighing bridge as well as access to the junction box from above
- Display device: stainless steel, protection against dust and water splashesIP68, for details see KERN KXC-TM
- IoT line: networkable balances with user-friendly concept of operation
- Industry 4.0: The exchange of data and control commands is optional using up to four interfaces to suit individual requirements: two wired connections and two wireless connections, for details see KERN KXC-TM
- Available as an option with alibi memory for paperless archiving of weighing results. This also means the results of weighings with mandatory verification can be electronically evaluated and processed further
- Benchtop stand incl. wall mount for display device as standard

TECHNICAL DATA

- Large backlit LCD display, digit height 48 mm
- Weighing platform dimensions W×D×H, stainless steel, 1000×1000×85 mm
- Dimensions of display device W×D×H 232×150×77,3 mm
- Cable length of display device approx. 5 m
- Net weight approx. 100 kg
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Food industry
- Digital processes
- Chemical industry
- Commercial fishing

PLEASE NOTE FOR YOUR ORDER

- For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order, the initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification
- It is essential that a verified balance which transfers measurements to external devices using an interface, has an alibi memory YMM-06. It is not possible to upgrade later.
- For verified scales the weighing bridge should be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Dimensions weighing surface	Net weight approx.
BXC 600K-1SM	600 kg	0,2 kg	0,2 kg	4 kg	1000×1000 mm	100 kg
BXC 1.5T-4M	1500 kg	0,5 kg	0,5 kg	10 kg	1500×1250 mm	150 kg
BXC 1.5T-4SM	1500 kg	0,5 kg	0,5 kg	10 kg	1000×1000 mm	100 kg
BXC 3T-3M	3000 kg	1 kg	1 kg	20 kg	1500×1250 mm	150 kg

ACCESSORIES

Model	Description
BFB-A03	Cable BFB-A03, Cable length approx. 15 m
BFN-A03	Pair of base plates BFN-A03
BFN-A05	Access ramp BFN-A05 (1000×740×90 mm)
BFN-A06	Pit frame BFN-A06
BFS-A07	Tripod BFS-A07, Height of stand approx. 1040 mm
CFS-A03	Signal lamp KERN CFS-A03
KUM-01	RS-232 interface KUM-01
KUM-03	Interface USB-Device KUM-03
KUM-04	Ethernet interface KUM-04
KUM-05	WiFi interface KUM-05
KUM-06	Bluetooth BLE interface KUM-06
KUM-08	Analogue interface KUM-08
KXS-A07S05	Protective working cover KXS-A07S05, scope of delivery: 5 items
YKC-01	Thermal printer YKC-01

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Model	Description
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKR-01	Rechargeable battery pack YKR-01
YKT-01	Needle printer YKT-01
YMM-06	Alibi memory with Real Time Clock YMM-06

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)
SET-01	Software KERN EasyTouch SET-01-2025a Base
SET-01	Software KERN EasyTouch SET-01 Base
SET-04	Software KERN EasyTouch SET-04-2025a Density
SET-04	Software KERN EasyTouch SET-04 Density
SET-05	Software KERN EasyTouch SET-05-2025a Dynamic
SET-05	Software KERN EasyTouch SET-05 Dynamic
SET-06	Software KERN EasyTouch SET-06-2025a Classification
SET-06	Software KERN EasyTouch SET-06 Classification
SET-07	Software KERN EasyTouch SET-07-2025a Variable
SET-07	Software KERN EasyTouch SET-07 Variable
SET-08	Software KERN EasyTouch SET-08-2025a Take-out
SET-08	Software KERN EasyTouch SET-08 Take-out
SET-10	Software KERN EasyTouch SET-10 Save Server
SET-11	Software KERN EasyTouch SET-11-2025a Safety
SET-11	Software KERN EasyTouch SET-11 Safety
SET-14	Software KERN EasyTouch SET-14-2025a Individual Print
SET-14	Software KERN EasyTouch SET-14 Individual Print
SET-16	Software KERN EasyTouch SET-16-2025a Batch and Statistics
SET-16	Software KERN EasyTouch SET-16 Batch and Statistics

Model	Description
SET-17	Software KERN EasyTouch SET-17-2025a PrePack
SET-17	Software KERN EasyTouch SET-17 PrePack
SET-18	Software KERN EasyTouch SET-18-2025a Container Master
SET-18	Software KERN EasyTouch SET-18 Container Master
SET-21	Software KERN EasyTouch SET-21-2025a Formulation
SET-21	Software KERN EasyTouch SET-21 Formulation
SET-22	Software KERN EasyTouch SET-22-2025a Difference
SET-22	Software KERN EasyTouch SET-22 Difference
SET-31	Software KERN EasyTouch SET-31-2025a Tolerance
SET-31	Software KERN EasyTouch SET-31 Tolerance
SET-32	Software KERN EasyTouch SET-32-2025a Count
SET-32	Software KERN EasyTouch SET-32 Count
SET-33	Software KERN EasyTouch SET-33-2025a Target Count
SET-33	Software KERN EasyTouch SET-33 Target Count
SET-35	Software KERN EasyTouch SET-35-2025a Assembly Count
SET-35	Software KERN EasyTouch SET-35 Assembly Count
SET-37	Software KERN EasyTouch SET-37-2025a Export Manager
SET-37	Software KERN EasyTouch SET-37 Export Manager
SET-39	Software KERN EasyTouch SET-39 Data Interface
SET-40	Software KERN EasyTouch SET-40 Protect
SET-46	Software KERN EasyTouch SET-46-2025a Backup Scheduler
SET-46	Software KERN EasyTouch SET-46 Backup Scheduler
SET-51	Software KERN EasyTouch SET-51-2025a Audit Logs
SET-51	Software KERN EasyTouch SET-51 Audit Logs
SET-52	Software KERN EasyTouch SET-52-2025a Inventory
SET-52	Software KERN EasyTouch SET-52 Inventory
SET-261	Software KERN EasyTouch SET-261 Audio Management
SET-311	Software KERN EasyTouch SET-311-2025a Quick Key
SET-311	Software KERN EasyTouch SET-311 Quick Key
SET-411	Software KERN EasyTouch SET-411-2025a Hotkeys
SET-411	Software KERN EasyTouch SET-411 Hotkeys

SERVICES

Model	Description
961-250	Adjustment at the location of installation 961-250 (Not in combination with verification)
963-130	DAkkS calibration certificate 963-130
965-230	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-230
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-112	Warranty extension (+2 years) 970-112

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	KERN IoT-Line balances – smart weighing solutions for the digital future
	KERN Communication Protocol (KCP): a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Sum function: The weight values of weighed items can be added together and the total printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal
	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	Protection against dust and water splashes IP68
	Platform: Protection against dust and water splashes IP67
	Load Cell: Protection against dust and water splashes IP68
	Integrated power supply unit: Integrated in device. 230 V/50 Hz standard EU. More standards e.g. GB, USA or AUS on request
	Weighing principle Strain gauges: Electrical resistor on an elastic deforming body
	Pallet shipment: The duration of internal product provision are three days
	EasyTouch: Suitable for the connection, data transmission and control through PC or tablet
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements

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	Network interface: For connecting the measuring device to an Ethernet network
	Rechargeable battery pack: Rechargeable set
M	Conformity assessment: The duration of the conformity assessment is 3 working days