KERN®

IoT-Line Stainless Steel Platform Scale KERN SXC

NEW

Easy Touch

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

Features

- Ideal for the robust industrial applications
- Platform: made entirely of stainless steel, hermetically welded stainless steel load cell with protection against dust and water splashes IP68
- Display device: stainless steel, dust and splash water protection IP68, integrated power supply
- Ideal for the increased hygienic requirements in the food industries
- Superior display size: digit height 48 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Industry 4.0: The exchange of data and control commands is optional using up to four interfaces to suit individual requirements: two wired connections (RS 232, Ethernet, USB or analogue module) and two wireless connections (WiFi, Bluetooth)

- Each interface can be set up separately, e.g.:
  - Interface 1 (WiFi): Continuous sending to a PC for documentation of a process
  - Interface 2 (RS-232): Print stable weight
  - Interface 3 (analogue module): Controlling a device when the target weight is reached
  - Interface 4 (Bluetooth): Continuous sending to a tablet to monitor a process
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol (for details see page 20/21)
- 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

Technical data

- Large backlit LCD display, digit height 48 mm
- Weighing plate dimensions, stainless steel
  - **A** W×D×H 300×240×104 mm
  - **B** W×D×H 400×300×115 mm
  - **C** W×D×H 400×300×115 mm
  - **D** W×D×H 500×400×117 mm, see larger picture
  - **E** W×D×H 650×500×136 mm
- Dimensions of display device
  W×D×H 232×150×80 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

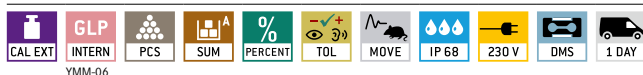## IoT-Line Stainless Steel Platform Scale KERN SXC

Accessories

- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01
- Stand to be screwed onto the platform Height of stand approx. 330 mm, KERN SXC-A01
  1 Height of stand approx. 600 mm, KERN SFB-A01
- Internal data interface RS-232, interface cable included, KERN KUM-01
- Internal data interface USB, interface cable included, KERN KUM-03
- Internal data interface Ethernet, interface cable included, KERN KUM-04
- Internal data interface WiFi, KERN KUM-05
- Internal data interface Bluetooth, KERN KUM-06
- Analogue module, KERN KUM-08

- Memory module with real time clock (alibi memory), KERN YMM-06
- ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01
- Signal lamp for visual support of weighing with tolerance range (only in combination with Data interface RS-232 KERN KUM-01), KERN CFS-A03
- Roller conveyor attachment, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame for models ≥ 30 kg [Max] with weighing plate size
  B - **C** KERN YRO-01
  D KERN YRO-02
  E KERN YRO-03
- Further details, plenty of further accessories and suitable printers see *Accessories*

*Note: only two wired connections (RS-232, Ethernet, USB or analogue module) and two wireless connections (WiFi, Bluetooth) can be used at the same time

STANDARD

CAL EXT	GLP INTERN YMM-06	PCS	SUM	PERCENT	TOL	MOVE	IP 68	230 V	DMS	1 DAY

OPTION

ET	DAkkS +3 DAYS

FACTORY

ALIBI	RS 232 *	USB *	BT *	WIFI *	ANALOG *	LAN *	ACCU	M +3 DAYS SXC-M

Model KERN	Weighing capacity [Max] kg	Read-ability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Options Verification ⓂⒾⒾⒾ KERN	DAkkS Calibr. Certificate DAkkS KERN
SXC 6K-4	6	0,5	-	-	6	A	-	963-128
SXC 10K-3	15	1	-	-	7	A	-	963-128
SXC 10K-3L	15	1	-	-	12	B	-	963-128
SXC 30K-3	30	2	-	-	12	C	-	963-128
SXC 30K-3L	30	2	-	-	22	D	-	963-128
SXC 60K-3	60	5	-	-	12	C	-	963-128
SXC 60K-3L	60	5	-	-	22	D	-	963-129
SXC 100K-2	150	10	-	-	24	D	-	963-129
SXC 100K-2L	150	10	-	-	34	E	-	963-129
SXC 300K-2	300	20	-	-	36	E	-	963-129

Multi-range balance with high-resolution display, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range

SXC 6K-3M	3 | 6	1 | 2	1 | 2	20 | 40	6	A	965-228	963-128
SXC 10K-3M	6 | 15	2 | 5	2 | 5	40 | 100	7	A	965-228	963-128
SXC 10K-3LM	6 | 15	2 | 5	2 | 5	40 | 100	12	B	965-228	963-128
SXC 30K-3M	15 | 30	5 | 10	5 | 10	100 | 200	12	C	965-228	963-128
SXC 30K-3LM	15 | 30	5 | 10	5 | 10	100 | 200	22	D	965-228	963-128
SXC 60K-2M	30 | 60	10 | 20	10 | 20	200 | 400	12	C	965-229	963-129
SXC 60K-2LM	30 | 60	10 | 20	10 | 20	200 | 400	22	D	965-229	963-129
SXC 100K-2M	60 | 150	20 | 50	20 | 50	400 | 1000	24	D	965-229	963-129
SXC 100K-2LM	60 | 150	20 | 50	20 | 50	400 | 1000	34	E	965-229	963-129
SXC 300K-2M	150 | 300	50 | 100	50 | 100	1000 | 2000	36	E	965-229	963-129

Note: 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.

NEW **New model**

Internal adjusting
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)

Adjusting program CAL
For quick setting up of the balance's accuracy. External adjusting weight required

EasyTouch
Suitable for the connection, data transmission and control through PC or tablet

Memory
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Alibi memory
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.

KERN Universal Port (KUP)
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort

RS-232 Data interface
To connect the balance to a printer, PC or network

RS-485 Data interface
To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

USB Data interface
To connect the balance to a printer, PC or other peripherals

Bluetooth* Data interface
To transfer data from the balance to a printer, PC or other peripherals

WIFI Data interface
To transfer data from the balance to a printer, PC or other peripherals

Control outputs
(optocoupler, digital I/O) To connect relays, signal lamps, valves, etc.

Analogue interface
to connect a suitable peripheral device for analogue processing of the measurements

Interface for second balance
For direct connection of a second balance

Network interface
For connecting the scale to an Ethernet network

KERN Communication Protocol (KCP)
It is 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

GLP/ISO log intern
The balance displays weight, date and time, independent of a printer connection

GLP/ISO log Printer
With weight, date and time. Only with KERN printers.

Piece counting
Reference quantities selectable. Display can be switched from piece to weight

Recipe level A
The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out

Recipe level B
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display

Totalising level A
The weights of similar items can be added together and the total can be printed out

Percentage determination
Determining the deviation in % from the target value (100 %)

Weighing units
Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details

Weighing with tolerance range (Checkweighing)
Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model

Hold function
(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value

Protection against dust and water splashes IPxx
The type of protection is shown in the pictogram

Suspended weighing
Load support with hook on the underside of the balance

Battery operation
Ready for battery operation. The battery type is specified for each device

Rechargeable battery pack
Rechargeable set

Universal plug-in power supply
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS

Plug-in power supply
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available

Integrated power supply unit
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request

Weighing principle Strain gauges
Electrical resistor on an elastic deforming body

Weighing principle Tuning fork
A resonating body is electromagnetically excited, causing it to oscillate

Weighing principle Electromagnetic force compensation
Coil inside a permanent magnet. For the most accurate weighings

Weighing principle Single cell technology
Advanced version of the force compensation principle with the highest level of precision

Conformity Assessment
The time required for conformity assessment is specified in the pictogram

DAkkS calibration possible (DKD)
The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO)
The time required for Factory calibration is shown in days in the pictogram

Package shipment
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment
The time required for internal shipping preparations is shown in days in the pictogram