

Stainless steel platform scale KERN SXS



High-quality stainless steel platform scale with stainless steel IP68 display device – now also as high resolution version with high-resolution display



Piece counting



Recipe-weighing



Thanks to the stainless steel design of the evaluation unit and platform with smooth surface – the scale is rust-free and easy to clean

Stainless steel platform scale KERN SXS



Features

- Ideal for the robust industrial applications
- **1** Platform: made entirely of stainless steel, hermetically welded stainless steel load cell, dust and spray protection to IP68. Substruction in wing design, extremely resistant to bending. Earthed weighing plate, to reduce static charge
- Display device: Stainless steel, protection against dust and water splashes IP68, integrated power supply
- Suitable for the ever-increasing hygienic requirements in the food industry
- Wall mount for display device, standard
- Superior display size: digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Easy-to use KERN menu structure with printout of weighing results which can be intuitively adapted
- Thanks to interfaces such as RS-232, RS-485 and Bluetooth (optional) the scale can easily be connected to existing networks and facilitates the data exchange between the scale and printer

Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A** 300×240×86 mm, see larger picture
 - B** 400×300×89 mm
 - C** 500×400×123 mm
 - D** 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m

Accessories

- **2** Stand to elevate display device, for models with weighing plate size
 - A-D** Height of stand approx. 200 mm, KERN IXS-A02
 - B-D** Height of stand approx. 400 mm, KERN IXS-A03
 - C-D** Height of stand approx. 600 mm, KERN IXS-A04
- **3** Internal rechargeable battery pack, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN GAB-A04
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04
- Data interface RS-485, must be ordered at purchase, KERN KXS-A01
- Foot switch, must be ordered at purchase, KERN KXS-A03
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KXS-A02
- Further details, plenty of further accessories and suitable printers see *accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Option			
							Verification		DAkkS Calibr. Certificate	
							M	KERN	DAkkS	KERN
High resolution readability										
SXS 6K-3	6	0,5	-	-	± 1,5	A	-	-	963-128	
SXS 10K-3	15	1	-	-	± 3	A	-	-	963-128	
SXS 10K-3L	15	1	-	-	± 3	B	-	-	963-128	
SXS 30K-2	30	2	-	-	± 6	B	-	-	963-128	
SXS 30K-2L	30	2	-	-	± 6	C	-	-	963-128	
SXS 60K-2	60	5	-	-	± 15	B	-	-	963-129	
SXS 60K-2L	60	5	-	-	± 15	C	-	-	963-129	
SXS 100K-2	150	10	-	-	± 30	C	-	-	963-129	
SXS 100K-2L	150	10	-	-	± 30	D	-	-	963-129	
SXS 300K-2	300	20	-	-	± 60	D	-	-	963-129	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]										
SXS 6K-3M	3 6	1 2	1 2	20 40	± 1 2	A	965-228	-	963-128	
SXS 10K-3M	6 15	2 5	2 5	40 100	± 2 5	A	965-228	-	963-128	
SXS 10K-3LM	6 15	2 5	2 5	40 100	± 2 5	B	965-228	-	963-128	
SXS 30K-2M	15 30	5 10	5 10	100 200	± 5 10	B	965-228	-	963-128	
SXS 30K-2LM	15 30	5 10	5 10	100 200	± 5 10	C	965-228	-	963-128	
SXS 60K-2M	30 60	10 20	10 20	200 400	± 10 20	B	965-229	-	963-129	
SXS 60K-2LM	30 60	10 20	10 20	200 400	± 10 20	C	965-229	-	963-129	
SXS 100K-2M	60 150	20 50	20 50	400 1000	± 20 50	C	965-229	-	963-129	
SXS 100K-2LM	60 150	20 50	20 50	400 1000	± 20 50	D	965-229	-	963-129	
SXS 300K-2M	150 300	50 100	50 100	1000 2000	± 50 100	D	965-229	-	963-129	

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

NEW New model

* Either RS-232 or RS-485 can be installed and used

Pictograms

<p>Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)</p>	<p>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</p>	<p>Suspended weighing: Load support with hook on the underside of the balance</p>
<p>Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required</p>	<p>GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection</p>	<p>Battery operation: Ready for battery operation. The battery type is specified for each device</p>
<p>Easy Touch: Suitable for the connection, data transmission and control through PC or tablet.</p>	<p>GLP/ISO log: With weight, date and time. Only with KERN printers.</p>	<p>Rechargeable battery pack: Rechargeable set</p>
<p>Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.</p>	<p>Piece counting: Reference quantities selectable. Display can be switched from piece to weight</p>	<p>Universal plug-in power supply: with universal input and optional input socket adapters for A) EU, CH, GB; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS</p>
<p>Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.</p>	<p>Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out</p>	<p>Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available</p>
<p>Data interface RS-232: To connect the balance to a printer, PC or network</p>	<p>Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display</p>	<p>Integrated power supply unit: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request</p>
<p>RS-485 data interface: To connect the balance to a printer, PC or other peripherals. Suitable for datatransfer over large distances. Network in bus topology is possible</p>	<p>Totalising level A: The weights of similar items can be added together and the total can be printed out</p>	<p>Weighing principle: Strain gauges: Electrical resistor on an elastic deforming body</p>
<p>USB data interface: To connect the balance to a printer, PC or other peripherals</p>	<p>Percentage determination: Determining the deviation in % from the target value (100 %)</p>	<p>Weighing principle: Tuning fork: A resonating body is electromagnetically excited, causing it to oscillate</p>
<p>Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals</p>	<p>Weighing units: Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details</p>	<p>Weighing principle: Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings</p>
<p>WiFi data interface: To transfer data from the balance to a printer, PC or other peripherals</p>	<p>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</p>	<p>Weighing principle: Single cell technology: Advanced version of the force compensation principle with the highest level of precision</p>
<p>Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.</p>	<p>Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value</p>	<p>Verification possible: The time required for verification is specified in the pictogram</p>
<p>Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements</p>	<p>Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.</p>	<p>DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram</p>
<p>Interface for second balance: For direct connection of a second balance</p>		<p>Factory calibration (ISO): The time required for Factory calibration is shown in days in the pictogram</p>
<p>Network interface: For connecting the scale to an Ethernet network</p>		<p>Package shipment: The time required for internal shipping preparations is shown in days in the pictogram</p>
		<p>Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram</p>

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KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAKkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAKkS calibration laboratory today is one of the most modern and best-equipped DAKkS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAKkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DAKkS calibration of balances with a maximum load of up to 50 t
- DAKkS calibration of weights in the range of 1 mg - 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAKkS calibration certificates in the following languages DE, EN, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: