

## Stainless steel platform scale KERN SXS

PREMIUM  
★★★

## Stainless steel platform scale with stainless steel IP68 display and EC type approval [M]

## Features

- **Ideal for the robust industrial applications**
- **Platform:** made entirely of stainless steel, silicone-coated stainless steel load cell, protection against dust and water splashes 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
  - 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

- **Stand** to elevate display device, must be ordered at purchase, 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
- **Rechargeable battery pack internal**, 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*

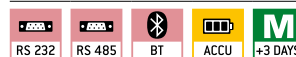
## STANDARD



## 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 III KERN		DAkkS KERN	
KERN 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	

Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]

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.

## Pictograms

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

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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, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

## Your KERN specialist dealer: