Platform scale KERN SXS




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

Features

- **Ideal for robust industrial application**
- 1 Substruction in wing design, extremely resistant to bending, stainless steel
- 2 **Scale entirely out of stainless steel** with IP68 protected display device, very high class of protection against dust and water. Ideal for harsh environmental conditions, industrial applications or the food industry, hygienic and easy to clean. Display device with integrated power supply. Wall mount standard. For further details on the KERN KXS-TM display device, see page 136
- 3 **Load cell stainless steel**, silicone-coated, IP67
- **Superior display size:** digit height 55 mm. Bright backlight for easy reading of weight, even in poor lighting conditions
- Thanks to the RS-232, RS-485 and Bluetooth (optional) interfaces, the scale can easily be connected to existing networks. Data exchange between the scale and PC or printer is made easier
- **ESD drain to protect against electrostatic discharge** e.g. for electrostatically-charged weighing items or people working with the scale

Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel, WxDxH
  A 300x240x86 mm, B 400x300x89 mm
  C 500x400x135 mm, D 650x500x133.5 mm
- Dimensions of display device WxDxH 232x170x80 mm
- Cable length of display device approx. 2,5 m
- **Rechargeable battery pack internal** standard, operating time up to 80 h without backlight, charging time approx. 12 h

Accessories

- **Data interface RS-232**, must be ordered at purchase, KERN KXS-A04
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01
- **Bluetooth data interface** for wireless data transfer to PC, must be ordered at purchase, KERN KXS-A02
- **Foot switch**, must be ordered at purchase, details see page 160, KERN KXS-A03
- **Suitable printers** see page 157 ff.

STANDARD



OPTION



FACTORY



Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate		Options Verification KERN		DAkkS Calibr. Certificate KERN	
SXS 6K-3M	3 | 6	1 | 2	1 | 2	20 | 40	5,1	A		965-228		963-128	
SXS 10K-3M	6 | 15	2 | 5	2 | 5	40 | 100	5,1	A		965-228		963-128	
SXS 10K-3LM	6 | 15	2 | 5	2 | 5	40 | 100	11,8	B		965-228		963-128	
SXS 30K-2M	15 | 30	5 | 10	5 | 10	100 | 200	11,8	B		965-228		963-128	
SXS 30K-2LM	15 | 30	5 | 10	5 | 10	100 | 200	20,8	C		965-228		963-128	
SXS 60K-2M	30 | 60	10 | 20	10 | 20	200 | 400	11,8	B		965-229		963-129	
SXS 60K-2LM	30 | 60	10 | 20	10 | 20	200 | 400	20,8	C		965-229		963-129	
SXS 100K-2M	60 | 150	20 | 50	20 | 50	400 | 1000	20,8	C		965-229		963-129	
SXS 100K-2LM	60 | 150	20 | 50	20 | 50	400 | 1000	36,5	D		965-229		963-129	
SXS 300K-2M	150 | 300	50 | 100	50 | 100	1000 | 2000	36,5	D		965-229		963-129	

Dual-range balance switches automatically to the next largest weighing range [Max] and readout [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.

KERN Pictograms

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.

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

Data interface RS-232: 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. High tolerance against electromagnetic disturbance.

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.

WLAN 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.

Interface for second balance: For direct connection of a second balance.

Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.

GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"

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

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).

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

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.

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

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.

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

Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.

Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

Vibration-free weighing: (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. For details see the glossary.

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

Stainless steel: The balance is protected against corrosion.

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.

Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

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

Strain gauges: Electrical resistor on an elastic deforming body.

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

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

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

Verification possible: The time required for verification is specified in the pictogram.

DAkkS calibration possible: The time required for DAkkS 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.

Warranty: The warranty period is shown in the pictogram.

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 - 2000 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 6 t
- DAkkS calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL

Your KERN specialist dealer: