

Platform scale with stainless steel display device KERN IXS



Platform scale with stainless steel display device with IP68 rating, XL-display und EC type approval [M] – now also as high resolution version with high-resolution display



Piece-counting function



Durable stainless steel weighing plate



Stainless steel display device with protection IP68, hygienic and easy to clean

## Platform scale with stainless steel display device KERN IXS



### Features

- Tough industry standard suitable for use in harsh industrial applications
- **1** Platform: weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65, Substruction in wing design, extremely resistant to bending
- Superior display size: digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- **2** Display device: Stainless steel, protection against dust and water splashes IP68, integrated power supply
- ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale
- 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 232×150×80 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

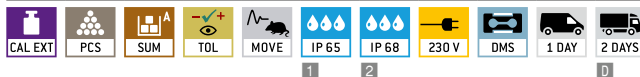
### Accessories

- **3** Stand to elevate display device
  - A-D** Height of stand approx. 50 mm, KERN IXS-A01
  - 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

- 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, 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 or tablets, must be ordered at purchase, not in combination with verification, KERN KXS-A02
- Foot switch, must be ordered at purchase, KERN KXS-A03
- Roller conveyor attachment, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame for models with weighing plate size
  - B** KERN YRO-01
  - C** KERN YRO-02
  - D** KERN YRO-03
- Further details, plenty of further accessories and suitable printers see *Accessories*

\*Note: only one of the port options can be built in for use

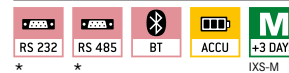
### STANDARD



### OPTION



### FACTORY



Model	Weighing range [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Option
							Verification <b>M</b> DAKKS Calibr. Certificate
KERN IXS 6K-4	6	0,2	-	-	6	<b>A</b>	KERN 963-128
KERN IXS 10K-4	15	0,5	-	-	6	<b>A</b>	KERN 963-128
KERN IXS 10K-4L	15	0,5	-	-	11	<b>B</b>	KERN 963-128
KERN IXS 30K-3	30	1	-	-	11	<b>B</b>	KERN 963-128
KERN IXS 30K-3L	30	1	-	-	22	<b>C</b>	KERN 963-128
KERN IXS 60K-3	60	2	-	-	11	<b>B</b>	KERN 963-129
KERN IXS 60K-3L	60	2	-	-	22	<b>C</b>	KERN 963-129
KERN IXS 100K-3	150	5	-	-	22	<b>C</b>	KERN 963-129
KERN IXS 100K-3L	150	5	-	-	36	<b>D</b>	KERN 963-129
KERN IXS 300K-2	300	10	-	-	36	<b>D</b>	KERN 963-129

Multi-range balance, 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

KERN IXS 6K-3M	3   6	1   2	1   2	20   40	6	<b>A</b>	KERN 965-228	KERN 963-128
KERN IXS 10K-3M	6   15	2   5	2   5	40   100	6	<b>A</b>	KERN 965-228	KERN 963-128
KERN IXS 10K-3LM	6   15	2   5	2   5	40   100	11	<b>B</b>	KERN 965-228	KERN 963-128
KERN IXS 30K-2M	15   30	5   10	5   10	100   200	11	<b>B</b>	KERN 965-228	KERN 963-128
KERN IXS 30K-2LM	15   30	5   10	5   10	100   200	22	<b>C</b>	KERN 965-228	KERN 963-128
KERN IXS 60K-2M	30   60	10   20	10   20	200   400	11	<b>B</b>	KERN 965-229	KERN 963-129
KERN IXS 60K-2LM	30   60	10   20	10   20	200   400	22	<b>C</b>	KERN 965-229	KERN 963-129
KERN IXS 100K-2M	60   150	20   50	20   50	400   1000	22	<b>C</b>	KERN 965-229	KERN 963-129
KERN IXS 100K-2LM	60   150	20   50	20   50	400   1000	36	<b>D</b>	KERN 965-229	KERN 963-129
KERN IXS 300K-2M	150   300	50   100	50   100	1000   2000	36	<b>D</b>	KERN 965-229	KERN 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.



### 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



### Easy Touch:

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, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort



### 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. 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:

The balance displays weight, date and time, independent of a printer connection



### GLP/ISO log:

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, USA

C) EU, CH, GB, USA, 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



### Verification possible:

The time required for verification 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

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