

Display Device KERN KXC-TM



Accessories

- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01
- GB mains adapter, cable length 1,5 m, KERN KXS-A06
- Stand to elevate display device, height of stand approx. 1040 mm, KERN BFS-A07
- 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

Stainless steel display device with IP68 dust and spray protection and up to four interfaces

Features

- With dust and spray protection (IP68), which makes it ideal for use in industry and outdoors
- 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 or Bluetooth)
- Each interface can be set up separately, e.g.:

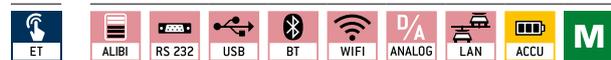
- Interface 1 (WiFi): Continuous sending to PC for documentation of a process
- Interface 2 (RS-232): Print stable weight
- Interface 3 (analogue module): Controlling a device when the target weight is reached
- Interface 4 (Bluetooth): Continuous sending to a tablet to monitor a process
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol
- 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

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

STANDARD



OPTION FACTORY



Features

Features	Model KERN KXC-TM
Display (segments)	6
EU type approval	yes
Resolution (verifiable)	3.000 / 2 × 3.000
Resolution (non verifiable)	100 - 999.999
Weighing capacities	single-range / 2 × multi-range / 2 × multi-division
Weighing units	kg, g, lb, ffa, PCS, %
Piece counting with reference	5, 10, 20, 50, n
Display, digit height	48 mm
Strain gauge load cells	87 - 1100 Ω
Linearisation (points)	2 / 3 / 5
Input voltage	110 V - 240 V AC
Accu operation time - without backlight	48 h
Accu charging time	8 h
Dimensions Housing W×D×H	232×150×80 mm
Net weight	2,6 kg
Permissible ambient temperature	-10°C/40°C

 **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

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