BALANCES & TEST SERVICE 2023

HANGING SCALES/CRANE SCALES

Hanging scale KERN CH









The classic among manual hanging scales – perfect for rapid weighing of higher loads

Features

- With the TÜV certification mark, the scales meet the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- Ideal for rapid control in goods-in and goods-out
- Also essential in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- Hold function: For easy reading of the weighing result, the display can be "frozen" in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Peak load display (peak hold)
- Hook made of Steel

Technical data

- · LCD display, digit height 11 mm
- Image Tape measure, extractable, length approx.
 100 cm
- Ready for use: Batteries included, 9 V block, operating time up to 20 h
- Further weighing units: kg, lb, N
- Overall dimensions W×D×H
 90×30×176,5 mm (without load hook)
 90×30×270 mm (with load hook)
- Permissible ambient temperature 5 °C/35 °C

Accessories

 I Tare pan with pan beam, details see Accessories, KERN CH-A01N



Model	Weighing capacity	Readability	Dimensions housing W×D×H	Net weight	Option DAkkS Calibr. Certificate
	[Max]	[d]		approx.	DAkkS
KERN	kg	g	mm	kg	KERN
CH 15K20	15	20	90×30×176,5	0,35	963-128H
CH 50K50	50	50	90×30×176,5	0,35	963-128H
CH 50K100	50	100	90×30×176,5	0,35	963-128H

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KERN PICTOGRAMS



Network interface:

Ethernet network



CAL INT

Adjusting program CAL:

Internal adjusting:

weight (motordriven)

For quick setting up of the balance's accuracy. External adjusting weight required

Quick setting up of the balance's

accuracy with internal adjusting



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.



• 888. •

RS 232

• 1998. •

RS 485

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



To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

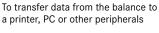
USB data interface:

To connect the balance to a printer, PC or other peripherals



USB

Bluetooth* data interface:





WiFi data interface:

To transfer data from the balance to a printer, PC or other peripherals

Control outputs _0^0_ (optocoupler, digital I/O): SWITCH

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



MOVE

The type of protection is shown in the pictogram.





KCP

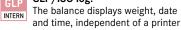
For connecting the scale to an



It is a standardized interface command PROTOCOL 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



connection



The balance displays weight, date



PRINTER

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: Å

Internal memory for complete recipes RECIPE 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 %)

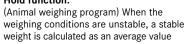
Weighing units: B

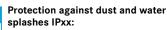
Can be switched to e.g. nonmetric UNIT units. See balance model. Please refer to KERN's website for more details



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: M--



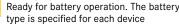


Suspended weighing: UNDER

BATT

Load support with hook on the underside of the balance

Battery operation:





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. 230 V 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 +3 DAYS specified in the pictogram



ISO

+4 DAYS

1 DAY

2 DAYS

DAkkS calibration possible (DKD):

The time required for Factory calibration

The time required for internal shipping prepa-

The time required for internal shipping prepa-

rations is shown in days in the pictogram

rations is shown in days in the pictogram

is shown in days in the pictogram

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO):

Package shipment:

Pallet shipment:





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