

Hanging scales KERN HCB · HCN



KERN HCB

KERN HCN



The handy scales for higher loads - now up to 1 t

Features

- **1** With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments) and EN 61010-1 (Electrical safety)
- Ideal for rapid control in goods-in and goods-out
- Essential too in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- **Data 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), measuring frequency 5 Hz

Technical data

- LCD display, digit height 12 mm
- Hole diameter of load support model with [Max] ≤ 200 kg: approx. 14 mm
- [Max] > 200 kg: approx. 16 mm

HCB:

- **Ready for use:** Batteries included 3 x 1.5 V AA, operating time up to 300 h
- **2** HCB with [Max] ≥ 0,5 t: Reinforced version for heavy loads. Snap link and hook not included

HCN:

- Housing stainless steel, IP65 protection
- **3** **Second display** on the rear of the scale
- **Ready for use:** batteries 2 x 1.5 V AA standard, operating time up to 200 h

Accessories for models with [Max] ≤ 200 kg

- **Hook (stainless steel)** standard, opening approx. 25 mm, can be retrofitted, KERN HCB-A02
- **Snap link (stainless steel) with safety catch** standard, opening approx. 15 mm, can be retrofitted, KERN HCB-A01

STANDARD



OPTION



only HCN only HCN

Model	Weighing range [Max] kg	Readout [d] g	Dimensions housing WxDxH mm	Height with snap link and hook mm	Net weight approx. kg	Option	
						DAkKS KERN	Calibr. Certificate
KERN							
HCB 20K10	20	10	80x45x150	290	0,4	963-128H	
HCB 50K20	50	20	80x45x150	290	0,4	963-128H	
HCB 50K100	50	100	80x45x150	290	0,4	963-128H	
HCB 99K50	99	50	80x45x150	290	0,4	963-129H	
HCB 100K200	100	200	80x45x150	290	0,4	963-129H	
HCB 200K100	200	100	80x45x150	290	0,4	963-129H	
HCB 200K500	200	500	80x45x150	290	0,4	963-129H	
HCB 0.5T-3	500	1000	82x42.5x152	-	0,35	963-130H	Ⓡ
HCB 1T-3	1000	2000	80x48x150	-	0,52	963-130H	Ⓡ
stainless steel							
HCN 50K100IP	50	100	95x55x175	315	0,8	963-128H	
HCN 100K200IP	100	200	95x55x175	315	0,8	963-129H	
HCN 200K500IP	200	500	95x55x175	315	0,8	963-129H	

Ⓡ Price reduction

KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Suspended weighing: Load support with hook on the underside of the balance.
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 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.	 Rechargeable battery pack: Rechargeable set.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 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.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Percentage determination: Determining the deviation in % from the target value (100 %).	 Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 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.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: For direct connection of a second balance.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.		

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.

Your KERN specialist dealer:

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