

# Hanging scales KERN HCB · HCN



KERN HCB



KERN HCN



## The handy scales for higher loads, also with IP65

### Features

- Ideal for rapid checking in goods receiving and shipping
- Also essential in the private sector for determining the weight of fish, game, fruits, bicycle parts, cases etc.
- **Data hold function:** For easy reading of the weight, 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
- HCB:**
- **Ready for use:** 3 x 1.5 V AA standard, operating time approx. 300 h
- HCN:**
- Housing stainless steel, IP65 protection
  - **Second display** on the rear of the balance
  - **Ready for use:** batteries (2 x 1.5 V AA) standard, operating time approx. 200 h

### Accessories

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

#### STANDARD

































#### OPTION



Model	Weighing range [Max] kg	Read-out [d] g	Dimensions housing WxDxH mm	Height with snap link and hook mm	Net weight approx. kg	Option	
						DKD Calibr. Certificate	DKD KERN
<b>KERN</b>							
HCB 20K10	20	10	80x45x150	290	0,4	963-128	
HCB 50K20	50	20	80x45x150	290	0,4	963-128	
HCB 20K50	20	50	80x45x150	290	0,4	963-128	
HCB 99K50	99	50	80x45x150	290	0,4	963-129	
HCB 50K100	50	100	80x45x150	290	0,4	963-128	
HCB 100K200	100	200	80x45x150	290	0,4	963-129	
HCB 200K100	200	100	80x45x150	290	0,4	963-129	
HCB 200K500	200	500	80x45x150	290	0,4	963-129	
stainless steel							
HCB 20K50IP	20	50	95x55x175	315	0,8	963-128	
HCB 50K100IP	50	100	95x55x175	315	0,8	963-128	
HCB 100K200IP	100	200	95x55x175	315	0,8	963-129	
HCB 200K500IP	200	500	95x55x175	315	0,8	963-129	

# KERN Pictograms

 <b>Internal adjusting (CAL):</b> Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Adjusting program (CAL):</b> For quick setting of the balance's accuracy. External adjusting weight required.	 <b>Memory:</b> Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network	 <b>Control outputs (optocoupler, digital I/O)</b> to connect relays, signal lamps, valves, etc.	 <b>Interface for second balance:</b> for direct connection of a second balance
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 <b>GLP/ISO record keeping:</b> of weighing data with date, time and identification-no. Only with printers from KERN.	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight
 <b>Net-total weighing:</b> weight of tare cup and weight of components memorized in two separate stores.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100%).	 <b>Weighing units:</b> 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.
 <b>Weighing with tolerance range:</b> Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 <b>Vibration-free weighing:</b> (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 <b>Spray and dust protection IPxx:</b> The type of protection is shown by the pictogram. For details see the glossary.
 <b>Stainless steel:</b> the balance is protected against corrosion.	 <b>Suspended weighing:</b> load support with hook on the underside of the balance.	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Rechargeable battery pack:</b> rechargeable set.	 <b>Mains adapter:</b> 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.	 <b>Power supply:</b> integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 <b>Strain gauges:</b> Electrical resistor on an elastic deforming body.	 <b>Tuning fork principle:</b> A resonating body is electromagnetically excited, causing it to oscillate.	 <b>Electromagnetic force compensation:</b> Coil in a permanent magnet. For the most accurate weighings.
 <b>Single cell technology:</b> Advanced version of the force compensation principle with the highest level of precision.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.	 <b>DKD calibration possible:</b> The time required for DKD calibration is shown in days in the pictogram.
 <b>Package shipment:</b> The time required to manufacture the product internally is shown in days in the pictogram.	 <b>Pallet shipment:</b> The time required to manufacture the product internally is shown in days in the pictogram.	 <b>Warranty:</b> The warranty period is shown in the pictogram.

## Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E 1, E 2, F 1, F 2, M 1, M 2, and M 3 with weights from 1 mg to 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe. (DKD = German Calibration Service ~ UKAS)

## Your KERN specialist dealer:

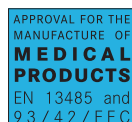
Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

### Range of services:

- DKD calibration of balances with a maximum load of up to 6000 kg
- DKD 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
- DKD calibration certificates in the following languages  
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

**KERN – Professional measuring.** Measuring technology and testing services from a single source



German Excellence Group  
Member