

## Hanging scales KERN HCB · HCN



KERN HCB



2 KERN HCN



Practical assistant for the mobile weighing of heavy pets, animal feed etc. up to 1 t!

### Features

- Thanks to the animal weighing function, it can also be used by vets. Compact – so it can be stored in the vet’s case and is ideally suited for heavy pets
- 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
- Varied options for hanging the items, thanks to the stainless steel hook and stainless steel snap links included as standard (not with models HCB with [Max] ≥ 0.5 t)
- Peak load display (peak hold), Measuring frequency 5 Hz

### KERN HCB

- [Max] ≤ 200 kg: Snap link (stainless steel) with safety catch as standard
- [Max] ≤ 200 kg: Hook (stainless steel) as standard
- 1 [Max] ≥ 500 kg: Reinforced version for heavy loads. Snap link and hook not included

### KERN HCN

- 2 Housing stainless steel, IP65-protected against dust and water splashes
- Snap link (stainless steel) with safety catch as standard
- Hook (stainless steel) as standard
- 3 Second display on the back of the balance

### Technical data

- LCD display, digit height 12 mm
- Hole diameter of load support, model with [Max] ≤ 200 kg: approx. 14 mm [Max] ≥ 500 kg: approx. 16 mm

- KERN HCB: Ready for use: Batteries included, 3×1.5 V AA, operating time up to 300 h
- KERN HCN: Ready for use: Batteries included, 2×1.5 V AA, operating time up to 200 h

### Accessories

#### Accessories for models with [Max] ≤ 200 kg

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

#### Accessories for KERN HCB

- Hook with safety catch, galvanised and lacquered cast steel, not rotatable, scope of delivery: 2 shackles, 1 connecting link, 1 hook, KERN YHA-06
- High-strength shackle, hot-dipped galvanised cast steel bracket, curved edge. Scope of delivery: 2 shackles, KERN YSC-04

STANDARD



Model	Weighing capacity		Readability	Dimensions housing W×D×H mm	Height with snap link and hook mm	Net weight approx. kg
	[Max]	kg				
<b>KERN</b>						
HCB 20K10	20	kg	10 g	82×43×153	290	0,30
HCB 50K20	50		20	82×43×153	290	0,30
HCB 50K100	50		100	82×43×153	290	0,30
HCB 99K50	99		50	82×43×153	290	0,30
HCB 100K200	100		200	82×43×153	290	0,30
HCB 200K100	200		100	82×43×153	290	0,30
HCB 200K500	200		500	82×43×153	290	0,30
HCB 0.5T-3	500		1000	82×43×153	-	0,40
HCB 1T-3	1000		2000	82×48×153	-	0,60
				Stainless steel		
HCN 50K100IP	50		100	96×48×179	315	0,50
HCN 100K200IP	100		200	96×48×179	315	0,50
HCN 200K500IP	200		500	96×48×179	315	0,50



### Adjusting program CAL:

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



### Memory:

Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.



### 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



### 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.



### Statistics:

using the saved values, the device calculates statistical data, such as average value, standard deviation etc.



### PC Software:

to transfer the measurements from the device to a PC



### GLP/ISO log:

With date and time. Only with KERN printers



### 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



### Piece counting:

Reference quantities selectable. Display can be switched from piece to weight



### Totalising level A:

The weights of similar items can be added together and the total can be printed out



### Weighing units:

Can be switched to e.g. nonmetric units. Please refer to website for more details



### Weighing with tolerance range

(Check weighing) 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



### ZERO:

Resets the display to "0"



### Hold function:

When patients do not stand, sit or lie completely still, a stable weight is calculated using an average weight



### Hold function:

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 cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013



### 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



### Battery operation rechargeable

Prepared for a rechargeable battery operation



### Universal plug-in power supply:

with universal input and optional input socket adapters for  
A) EU, CH  
B) EU, CH, GB, USA



### Plug-in power supply:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available



### Integrated power supply unit:

Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request



### Weighing principle: Strain gauges

Electrical resistor on an elastic deforming body



### Peak hold function:

capturing a peak value within a measuring process



### Push and Pull:

the measuring device can capture tension and compression forces



### Integrated scale:

In the eyepiece



### 360° rotatable microscope head



### Monocular Microscope:

For the inspection with one eye



### Binocular Microscope:

For the inspection with both eyes



### Trinocular Microscope:

For the inspection with both eyes and the additional option for the connection of a camera



### Abbe Condenser:

With high numerical aperture for the concentration and the focusing of light



### Halogen illumination:

For pictures bright and rich in contrast



### LED illumination:

Cold, energy-saving and especially long-life illumination



### Fluorescence illumination for compound microscopes:

With 100 W mercury lamp and filter



### Fluorescence illumination for compound microscopes:

With 3 W LED illumination and filter



### Phase contrast unit:

For a higher contrast



### Darkfield condenser/unit:

For a higher contrast due to indirect illumination



### Polarising unit:

To polarise the light



### Infinity system:

Infinity corrected optical system



### Automatic temperature compensation:

For measurements between 10 °C and 30 °C



### Verification possible:

The time required for verification is specified 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

\*The Bluetooth\* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN & SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners.