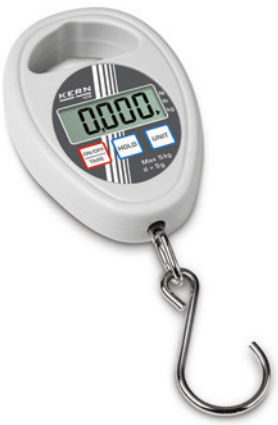
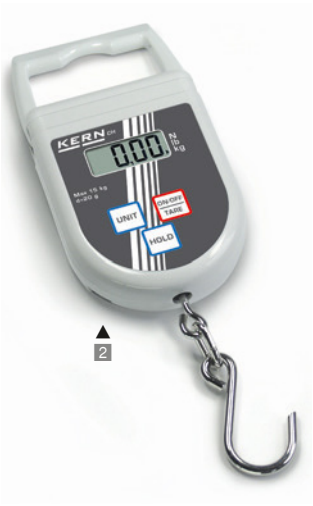
NEW



KERN HDB-N

KERN HDB-XL



▲ 2

KERN CH

1

3

Convenient, economical and always handy – NEW: KERN HDB now also as high-capacity XL-version

Features

- **NEW: KERN HDB now also as high-capacity XL-version**. The larger design creates space for a large handle, which enables even better handling especially with heavier loads
- 1 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, steel**, can be hinged (HDB-N, HDB-XL)

Technical data

HDB-N/HDB-XL

- LCD display, digit height 12 mm
- Ready for use: Batteries included, 2×1.5 V AAA, operating time up to 180 h
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C/35 °C

CH

- LCD display, digit height 11 mm
- 2 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
- Permissible ambient temperature 5 °C/35 °C

Accessories

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

STANDARD

OPTION

Model KERN	Weighing range [Max] kg	Readout [d] g	Dimensions housing W×D×H mm	Net weight ca. kg		Option DAkkS Calibr. Certificate DKD KERN	
HDB 5K5N	5	5	70×25×105	0,2		963-127H	
HDB 10K10N	10	10	70×25×105	0,2		963-128H	
HDB 30K-2XL NEW	30	20	107×25×101	0,2		963-128H	
HDB 10K-2XL NEW	15	10	107×25×101	0,2		963-128H	
HDB 6K-3XL NEW	6	5	107×25×101	0,2		963-128H	
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	

NEW New model

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KERN Pictograms

CAL INT — Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight(motordriven)

CAL EXT — Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required

MEMORY — Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

ALIBI — Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.

RS 232 — Data interface RS-232: To connect the balance to a printer, PC or network

RS 485 — 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 — USB data interface: To connect the balance to a printer, PC or other peripherals

BT — Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals

WLAN — WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals

SWITCH — Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.

DUAL — Interface for second balance: For direct connection of a second balance

LAN — Network interface: For connecting the scale to an Ethernet network

RC — Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module

KCP PROTOCOL — 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 INTERN — GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection

GLP PRINTER — GLP/ISO log: With weight, date and time. Only with KERN printers

PCS — Piece counting: Reference quantities selectable. Display can be switched from piece to weight

A RECIPE — Recipe level A: The weights of the recipe ingredientscan be added together and the total weight of the recipe can be printed out

B RECIPE — Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display

C RECIPE — Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition

A SUM — Totalising level A: The weights of similar items can be added together and the total can be printed out

% PERCENT — Percentage determination: Determining the deviation in % from the target value (100 %)

UNIT — Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details

TOL — 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

MOVE — Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value

IP — Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.

INOX — Stainless steel: The balance is protected against corrosion

UNDER — Suspended weighing: Load support with hook on the underside of the balance

BATT — Battery operation: Ready for battery operation. The battery type is specified for each device

ACCU — Rechargeable battery pack: Rechargeable set

A MULTI — Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS

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

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

DMS — Weighing principle: Strain gauges Electrical resistor on an elastic deforming body

T-FORK — Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate

N S FORCE — Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings

SC TECH — Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision

M +3 DAYS — Verification possible: The time required for verification is specified in the pictogram

DAkkS +3 DAYS — DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram

1 DAY — Package shipment: The time required for internal shipping preparations is shown in days in the pictogram

2 DAYS — Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

KERN – 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 - 2500 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.
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 50 t
- DAkkS calibration of weights in the range of 1 mg – 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer:

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