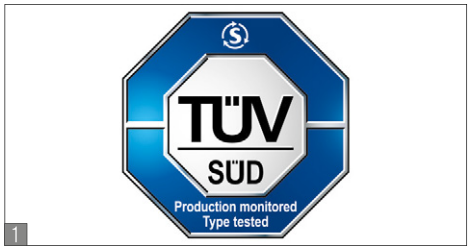
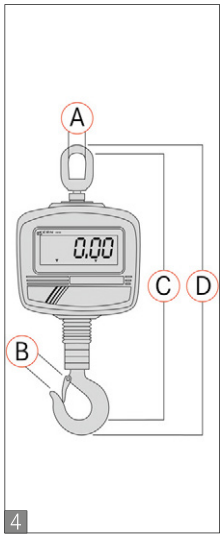
Crane scale KERN HFB



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3

The professional alternative up to 600 kg with rear-facing second display

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)
- 3 **Radio remote control** standard. Range approx. 20 m. All functions can be selected (excl. ON/OFF). WxDxH 48x10x95 mm. Batteries included, 2 x 1,5 V AAA
- **High mobility:** thanks to battery operation, compact construction and low weight, it is suitable for use in several locations (production, warehouse, dispatch department, ...)
- 2 **Second display** on the rear of the balance
- **Hook with safety catch**, revolving
- Shackle and hook connection made of nickel-plated steel
- **Adjusting program CAL**, external test weights at an additional price, see page 143 ff.
- **Rechargeable battery pack internal**, standard, operating time up to 40 h, charging time approx. 14 h with mains adapter, charge indicator visual using LED
- **Data hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed
- **Tare:** Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed

Technical data

- Superior display size: digit height 25 mm. Bright backlight for easy reading of weight, even from a distance
- Dimensions housing WxDxH 163x126x158.5 mm
- Precision: 0.2 % from [Max]
- Permissible ambient temperature 0 °C / 40 °C

STANDARD

CAL EXT | UNIT | ACCU | 230 V | DMS | 1 DAY | 2 YEARS WARRANTY

OPTION

DKD +3 DAYS

Model KERN	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	4 Dimensions A mm	B mm	C mm	D mm		Option DKD Calibr. Certificate DKD KERN	
HFB 150K50	150	50	3,2	26	25	358	390		963-129	
HFB 300K100	300	100	3,2	26	25	358	390		963-129	
HFB 600K200	600	200	3,2	26	25	358	390		963-130	

KERN Pictograms

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

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

MEMORY — **Memory:** Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.

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 peripheral devices. High tolerance against electromagnetic disturbance.

USB — **USB data interface:** To connect the balance to a printer, PC or other peripheral devices.

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

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. With KERN products you can also use a universal RS-232/LAN converter.

GL PROTOCOL — **GLP/ISO record keeping:** of weighing data with date, time and identification-no. Only with printers from KERN.

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

A RECIPE — **Recipe level A:** Separate memory for the weight of the tare container and the recipe ingredients (net total).

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

C RECIPE — **Recipe level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.

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

UNIT — **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.

TOL — **Weighing with tolerance range:** Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.

MOVE — **Vibration-free weighing:** (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.

IP — **Spray and dust protection IPxx:** The type of protection is shown by the pictogram. For details see the glossary.

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.

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

230 V — **Power supply:** integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.

DMS — **Strain gauges:** Electrical resistor on an elastic deforming body.

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

FORCE — **Electromagnetic force compensation:** Coil in a permanent magnet. For the most accurate weighings.

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

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

DKD +3 DAYS — **DKD calibration possible:** The time required for DKD calibration is shown in days in the pictogram.

DAYS — **Package shipment:** The time required to manufacture the product internally is shown in days in the pictogram.

DAYS — **Pallet shipment:** The time required to manufacture the product internally is shown in days in the pictogram.

3 YEARS WARRANTY — **Warranty:** The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of ist accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 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)

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 6 t
- 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 corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: