Crane scale KERN HFT

PREMIUM

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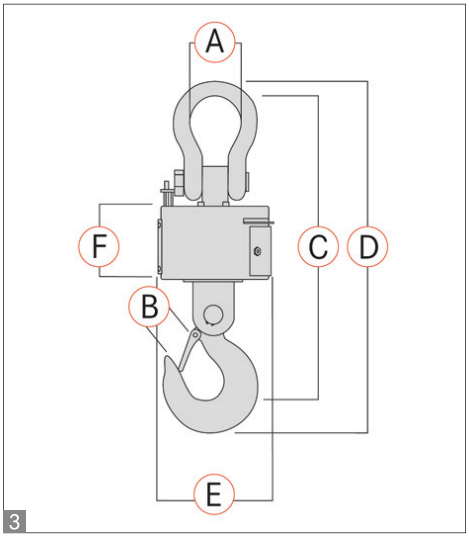

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Robust industrial crane scale up to 15 t with radio display and RS-232 data interface for transferring weighing results

Features

- 1 With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/ Breakage resistance) and EN 61010-1 (Electrical safety)
- **Professional device for robust applications** in production, quality control, logistics etc. Because of its stable steel construction and robust design, it is ideal for continuous use in industrial applications
- **Weighing unit without display**, therefore very robust
- **Hold function:** When the weighing value remains unchanged the weight indicated on the display is automatically „frozen“ until the HOLD key is pressed
- **Hook with safety catch**, revolving
- 2 **Display with integrated radio module**, in this way the weighing data can easily be read off the display by the user, even if the user might find himself in a remote distance from the crane scale. Range up to 100 m. The integrated RS-232 data interface allows from connection to a printer, PC or network

Technical data

- Separate display with large, backlit LCD display, digit height 22 mm. Dimensions WxDxH 175x135x39 mm, incl. antenna WxDxH 240x135x55 mm
- Precision: 0,2 % of [Max]
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Rechargeable battery pack internal**, standard. Can be re-ordered, scale: operating time up to 80 h, charging time approx. 8 h. Can be re-ordered, KERN VFB-A02
  display device: operating time up to 40 h, charging time 4 h. Can be re-ordered, KERN GAB-A04
- **Interface cable RS-232**, to connect the display device to a printer, PC, etc., cable length approx. 1,5 m, KERN KFF-A01
- **Suitable printers** see page 177

STANDARD

OPTION

Model KERN	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	3 Dimensions A mm	B mm	C mm	D mm	E mm	F mm		Option DAkkS Calibr. Certificate DKD KERN	
HFT 3T0.5	3000	500	28	73	39	545	650	270	145		963-132H	
HFT 5T1	5000	1000	45	76	51	635	760	270	147		963-132H	
HFT 10T2	10000	2000	53	92	61	735	840	270	167		963-133H	
HFT 15T5	15000	5000	73	99	61	842	950	320	160		963-133H*	

* Calibration up to [Max] = 12 t

KERN Pictograms:

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

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.

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard.

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. High tolerance against electromagnetic disturbance.

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

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

WLAN 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.

Interface for second balance: For direct connection of a second balance.

Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.

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

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.

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

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

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

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

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

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

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

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

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.

Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

Hold function: (Animal weighing program) 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.

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

Stainless steel: The balance is protected against corrosion.

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.

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

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

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

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body.

Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate.

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

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

Verification possible: The time required for verification is specified in the pictogram.

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days 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.

Warranty: The warranty period is shown 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 - 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.
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
- 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, PL

Your KERN specialist dealer: