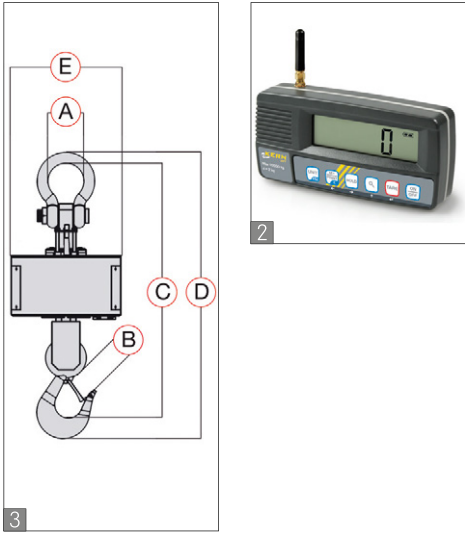


Crane scale KERN HFT



NEW



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

Features

Accessories

- 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)
- 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
- 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 is a long way from the crane scale. Range up to 100 m. The integrated RS-232 data interface allows connection to a printer, PC or network

- Data 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

Technical data

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

- Rechargeable battery pack internal**, standard, can be retrofitted, balance: operating time up to 80 h, charging time approx. 8 h  
display device: operating time up to 40 h, charging time 4 h  
KERN HFM-A01

STANDARD

CAL EXT

RS 232

RC

RECIPE

MOVE

IP 65

ACCU

230 V

DMS

































OPTION

ISO

+3 DAYS

Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	3 Dimensions					Option	
				A	B	C	D	E	ISO Calibr. Certificate	
				mm	mm	mm	mm	mm	ISO KERN	
KERN										
HFT 3T0.5	3000	500	28	43	28	606	650	130	961-104	
HFT 5T1	5000	1000	45	58	40	693	760	160	961-105	
HFT 10T2	10000	2000	53	83	51	781	870	180	961-106	
HFT 15T5	15000	5000	73	99	57	842	950	180	-	

# KERN Pictograms

 <b>CAL INT</b>	<b>Internal adjusting (CAL):</b> Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 <b>RECIPE A</b>	<b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>ACCU</b>	<b>Rechargeable battery pack:</b> rechargeable set.
 <b>CAL EXT</b>	<b>Adjusting program (CAL):</b> For quick setting of the balance's accuracy. External adjusting weight required.	 <b>RECIPE B</b>	<b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays.	 <b>230 V</b>	<b>Mains adapter:</b> 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.
 <b>MEMORY</b>	<b>Memory:</b> Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.	 <b>RECIPE C</b>	<b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as bar-code and back calculation functions.	 <b>230 V</b>	<b>Power supply:</b> integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 <b>RS 232</b>	<b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.			 <b>DMS</b>	<b>Strain gauges:</b> Electrical resistor on an elastic deforming body.
 <b>RS 485</b>	<b>RS 485 data interface:</b> To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.	 <b>PERCENT</b>	<b>Percentage determination:</b> Determining the deviation in % from the target value (100%).	 <b>T-FORK</b>	<b>Tuning fork principle:</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>USB</b>	<b>USB data interface:</b> To connect the balance to a printer, PC or other peripheral devices.	 <b>UNIT</b>	<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>FORCE</b>	<b>Electromagnetic force compensation:</b> Coil in a permanent magnet. For the most accurate weighings.
 <b>BT</b>	<b>Bluetooth data interface:</b> To transfer data from the balance to a printer, PC or other peripheral devices.	 <b>TOL</b>	<b>Weighing with tolerance range:</b> Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 <b>SC TECH</b>	<b>Single cell technology:</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>SWITCH</b>	<b>Control outputs (optocoupler, digital I/O):</b> to connect relays, signal lamps, valves, etc.	 <b>MOVE</b>	<b>Vibration-free weighing:</b> (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 <b>+3 DAYS</b>	<b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>DUAL</b>	<b>Interface for second balance:</b> for direct connection of a second balance.	 <b>IP</b>	<b>Spray and dust protection IPxx:</b> The type of protection is shown by the pictogram. For details see the glossary.	 <b>DKD +3 DAYS</b>	<b>DKD calibration possible:</b> The time required for DKD calibration is shown in days in the pictogram.
 <b>LAN</b>	<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>INOX</b>	<b>Stainless steel:</b> the balance is protected against corrosion.		
 <b>GLP PROTOCOL</b>	<b>GLP/ISO record keeping:</b> of weighing data with date, time and identification-no. Only with printers from KERN.	 <b>UNDER</b>	<b>Suspended weighing:</b> load support with hook on the underside of the balance.		
 <b>PCS</b>	<b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.	 <b>BATT</b>	<b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.		

## 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 its 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 corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

## Your KERN specialist dealer:

