

HANGING SCALES / CRANE SCALES



PROFESSIONAL MEASURING

560,3 kg

560,3 kg



KERN Pictograms



Internal adjusting:

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



Recipe level A:

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



Suspended weighing:

Load support with hook on the underside of the balance.



Adjusting program CAL:

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



Recipe level B:

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



Battery operation:

Ready for battery operation. The battery type is specified for each device.



Memory:

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



Recipe level C:

Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.



Rechargeable battery pack:

Rechargeable set.



Data interface RS-232:

To connect the balance to a printer, PC or network.



Mains adapter:

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



RS-485 data interface:

To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.



Totalising level A:

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



Power supply:

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



USB data interface:

To connect the balance to a printer, PC or other peripherals.



Totalising level C:

Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.



Strain gauges:

Electrical resistor on an elastic deforming body.



Bluetooth data interface:

To transfer data from the balance to a printer, PC or other peripherals.



Tuning fork principle:

A resonating body is electromagnetically excited, causing it to oscillate.



WLAN data interface:

To transfer data from the balance to a printer, PC or other peripherals.



Percentage determination:

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



Electromagnetic force compensation:

Coil inside a permanent magnet. For the most accurate weighings.



Control outputs

(optocoupler, digital I/O):

To connect relays, signal lamps, valves, etc.



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.



Single cell technology:

Advanced version of the force compensation principle with the highest level of precision.



Interface for second balance:

For direct connection of a second balance.



Weighing with tolerance range:

Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.



Verification possible:

The time required for verification is specified in the pictogram.



Network interface:

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



Vibration-free weighing:

(Animal weighing program)

When the weighing conditions are unstable, a stable weight is calculated as an average value.



DAkkS calibration possible:

The time required for DAkkS calibration is shown in days in the pictogram.



GLP/ISO log:

The balance displays the weight, date and time, regardless of a printer connection.



Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram. For details see the glossary.



Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



GLP/ISO log:

With weight, date and time. Only with KERN printers, see "Accessories"



ATEX explosion protection:

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



Pallet shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



Piece counting:

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



Stainless steel:

The balance is protected against corrosion.



Warranty:

The warranty period is shown in the pictogram.

KERN – measuring technology and testing services from a single source



Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services.



Medical scales catalogue

Complete line of medical scales, from infant scales to professional patient scales, chair scales and adiposity scales, as well as innovative hand grip dynamometers, chemist's balances, and veterinary scales.



Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness, and hardness measuring systems.



KERN DAkkS calibration service brochure

Detailed information on topics pertaining to the calibration of balances, test weights, and force measuring devices.



KERN branch prospectuses

Compact overview of the best-sellers for many different lines of business – just the balances your customers need!



The gnome guide

Travel report from KERN, the famous scientific gnome, who travelled all over the world, in order to illustrate the physical law of gravitational force. Ideal for use in school education – please request, it's free of charge.



170 years of KERN

Interesting and readable overview of the history of the origins of Southern German balance manufacturing, as well as the company history, which stretches right back to 1770 – please request, it's free of charge.

Your advantages



Quick Delivery

Items in stock are sent the same day if orders are placed before 1:00 pm (valid for parcel service delivery within the EC).



Price performance ratio

KERN scales are always an inexpensive alternative. They are durable, uncomplicated and easy to place into operation.



Direct dispatch

of ordered goods to your customer is available, with personalised delivery note if desired (please ask), invoice will be issued to you (third party business).



3 years warranty

Items under € 400,-



No stock-keeping necessary.

KERN does the warehousing for you.



Sale or return

within 14 days of purchase.

Hanging scales / Crane scales

HDB-N · CH	148
Convenient, economical and always handy	
HCB · HCN	149
The handy scales for higher loads – now up to 1 t!	
HFB	150
The professional alternative up to 600 kg with rear-facing second display	
HFA	151
Compact crane scale with integrated display for use in harsh environmental conditions	
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Compact crane scale for use in harsh environmental conditions, with convenient hand-held terminal	
HFM	153
Industrial crane scale up to 10 t	

HTS	154
Robust industrial crane scale up to 10 t, with EC type approval [M]	
HFT	155
Robust industrial crane scale up to 15 t with radio display and RS-232 data interface for transferring weighing results	

Your KERN product specialist will be happy to help:



Julia Hering
Product specialist
Hanging scales / Crane scales

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Quick-Finder Hanging scales / Crane scales

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page	DAYS ready for shipping	M	CAL EXT	RS 232	MOVE	IP	INDX	BATT	ACCU
5 g	5 kg	HDB 5K5N	55,-	148	1	●						●	
10 g	10 kg	HDB 10K10N	55,-	148	1	●						●	
10 g	20 kg	HCB 20K10	105,-	149	1	●						●	
20 g	15 kg	CH 15K20	65,-	148	1	●						●	
20 g	50 kg	HCB 50K20	115,-	149	1	●						●	
50 g	20 kg	HCB 20K50	85,-	149	1	●						●	
50 g	50 kg	CH 50K50	70,-	148	1	●						●	
50 g	99 kg	HCB 99K50	99,-	149	1	●						●	
50 g	150 kg	HFB 150K50	330,-	150	1	●						●	●
100 g	50 kg	CH 50K100	60,-	148	1	●						●	
100 g	50 kg	HCB 50K100	90,-	149	1	●						●	
100 g	50 kg	HCN 50K100IP	125,-	149	1	●				●	●	●	
100 g	200 kg	HCB 200K100	110,-	149	1	●						●	
100 g	300 kg	HFB 300K100	360,-	150	1	●						●	●
100 g	1 t	HFM 1T0.1	650,-	153	1	●						●	●
200 g	100 kg	HCB 100K200	110,-	149	1	●						●	
200 g	100 kg	HCN 100K200IP	125,-	149	1	●				●	●	●	
200 g	600 kg	HFB 600K200	360,-	150	1	●						●	●
200 g	600 kg	HFA 600K-1	590,-	151	1	●						○	●
500 g	200 kg	HCB 200K500	99,-	149	1	●						●	
500 g	200 kg	HCN 200K500IP	125,-	149	1	●				●	●	●	
500 g	1 t	HFA 1T-4	690,-	151	1	●						○	●
500 g	1 t	HFC 1T-4	990,-	152	1	●						○	●
500 g	1,5 t	HTS 1T-4AM	1070,-	154	2*	○	●					●	●
500 g	3 t	HFM 3T0.5	670,-	153	1	●						●	●
500 g	3 t	HFT 3T0.5	1120,-	155	2*	●	●					●	●
500 g	5 t	HFM 5T0.5	860,-	153	1	●						●	●
1000 g	500 kg	HCB 0.5T-3	290,-	149	1	●						●	
1000 g	3 t	HFA 3T-3	750,-	151	1	●						○	●
1000 g	3 t	HFC 3T-3	1050,-	152	1	●						○	●
1000 g	3 t	HTS 3T-3AM	1150,-	154	2*	○	●					●	●
1000 g	5 t	HFT 5T1	1320,-	155	2*	●	●					●	●
1000 g	10 t	HFM 10T1	1190,-	153	1	●						●	●
2000 g	1 t	HCB 1T-3	390,-	149	1	●						●	
2000 g	5 t	HFA 5T-3	790,-	151	1	●						○	●
2000 g	5 t	HFC 5T-3	1090,-	152	1	●						○	●
2000 g	6 t	HTS 6T-3AM	1250,-	154	2*	○	●					●	●
2000 g	10 t	HFT 10T2	1640,-	155	2*	●	●					●	●
5000 g	10 t	HFA 10T-3	990,-	151	1	●						○	●
5000 g	10 t	HFC 10T-3	1290,-	152	1	●						○	●
5000 g	10 t	HTS 10T-3AM	1350,-	154	2*	○	●					●	●
5000 g	15 t	HFT 15T5	2410,-	155	2*	●	●					●	●

2* = Delivery by truck, please ask for prices

● = Standard

○ = Option

Hanging scales KERN HDB-N · CH



KERN HDB-N



KERN CH



Convenient, economical and always handy

Features

- 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)
- Ideal for rapid control in goods-in and goods-out
- Essential too in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- **Data 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

Technical data

HDB-N:

- **Hook (stainless steel)**, can be hinged
- **Ready for use:** Batteries included, 2 x 1.5 V AAA, operating time up to 180 h, AUTO-OFF function to preserve the battery, can be switched off
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C / 35 °C

CH:

- **Hook (stainless steel)**
- **Tape measure**, extractable, length approx. 100 cm
- **Peak load display** (peak hold), measuring frequency 5 Hz
- **Ready for use:** 9 V Block included, operating time up to 20 h. AUTO-OFF function to preserve the batteries, can be switched off
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C / 35 °C

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	LCD display, digit height mm	Dimensions housing WxDxH mm	Height with hook mm	Net weight approx. kg	Price excl. of VAT ex works €	Option DAkkS Calibr. Certificate	
								DAkkS KERN	€
KERN HDB 5K5N	5	5	12	70x25x105	195	0,15	55,-	963-127	72,-
HDB 10K10N	10	10	12	70x25x105	195	0,15	55,-	963-128	88,-
CH 15K20	15	20	11	90x30x176.5	270	0,25	65,-	963-128	88,-
CH 50K50	50	50	11	90x30x176.5	270	0,25	70,-	963-128	88,-
CH 50K100	50	100	11	90x30x176.5	270	0,25	60,-	963-128	88,-

Hanging scales KERN HCB · HCN



KERN HCB

KERN HCN



The handy scales for higher loads - now up to 1 t

Features

- 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)
- Ideal for rapid control in goods-in and goods-out
- Essential too in the private sector to determine the weight of fish, game, fruits, bicycle parts, suitcases etc.
- **Data 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), measuring frequency 5 Hz

Technical data

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

HCB:

- **Ready for use:** Batteries included 3 x 1.5 V AA, operating time up to 300 h
- HCB with [Max] ≥ 0,5 t: Reinforced version for heavy loads. Snap link and hook not included

HCN:

- Housing stainless steel, IP65 protection
- **Second display** on the rear of the scale
- **Ready for use:** batteries 2 x 1.5 V AA standard, operating time up to 200 h

Accessories for models with [Max] ≤ 200 kg

- **Hook (stainless steel)** standard, opening approx. 25 mm, can be retrofitted, KERN HCB-A02, € 30,-
- **Snap link (stainless steel) with safety catch** standard, opening approx. 15 mm, can be retrofitted, KERN HCB-A01, € 30,-

STANDARD



OPTION



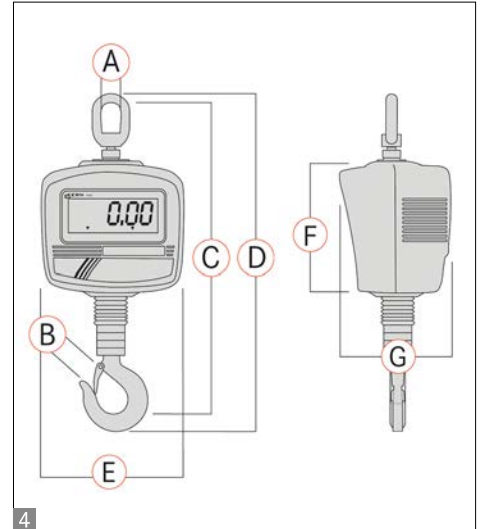
Model	Weighing range [Max] kg	Readout [d] g	Dimensions housing WxDxH mm	Height with snap link and hook mm	Net weight approx. kg	Price excl. of VAT ex works €	Option DAKKS Calibr. Certificate	
							DAKKS KERN	€
KERN HCB 20K10	20	10	80x45x150	290	0,4	105,-	963-128H	88,-
HCB 50K20	50	20	80x45x150	290	0,4	115,-	963-128H	88,-
HCB 50K100	50	100	80x45x150	290	0,4	90,-	963-128H	88,-
HCB 99K50	99	50	80x45x150	290	0,4	99,-	963-129H	88,-
HCB 100K200	100	200	80x45x150	290	0,4	110,-	963-129H	105,-
HCB 200K100	200	100	80x45x150	290	0,4	110,-	963-129H	105,-
HCB 200K500	200	500	80x45x150	290	0,4	99,-	963-129H	105,-
HCB 0.5T-3	500	1000	82x42.5x152	-	0,35	290,-	963-130H	165,-
HCB 1T-3	1000	2000	80x48x150	-	0,52	390,-	963-130H	165,-
stainless steel								
KERN HCN 50K100IP	50	100	95x55x175	315	0,8	125,-	963-128H	88,-
HCN 100K200IP	100	200	95x55x175	315	0,8	125,-	963-129H	105,-
HCN 200K500IP	200	500	95x55x175	315	0,8	125,-	963-129H	105,-

Price reduction

For more information, please visit [www.kern-sohn.com/en/HCB .../HCN](http://www.kern-sohn.com/en/HCB.../HCN) · Order hotline +49 [0] 7433 9933-0

Hanging scales / Crane scales

Crane scale KERN HFB



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

Features

- 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)
- Second display** on the rear of the balance
- High mobility:** thanks to battery operation, compact construction and low weight, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- 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

- Hook with safety catch**, revolving
- Shackle and hook connection made of nickel-plated steel
- 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

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

- Rechargeable battery pack internal, standard, operating time approx. 40 h, charging time approx. 14 h with mains adapter, charge status indication visualised through LED
- Precision: 0.2 % from [Max]
- Permissible ambient temperature 0 °C / 40 °C

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STANDARD



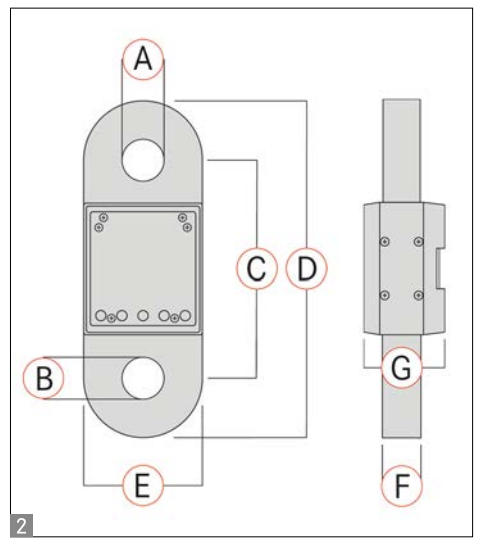
OPTION



Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	4 Dimensions							Price excl. of VAT ex works €	Option DAKKS Calibr. Certificate	
				A mm	B mm	C mm	D mm	E mm	F mm	G mm		DAKKS KERN	€
HFB 150K50	150	50	3,2	26	25	358	390	163	158,5	126	330,-	963-129H	105,-
HFB 300K100	300	100	3,2	26	25	358	390	163	158,5	126	360,-	963-129H	105,-
HFB 600K200	600	200	3,2	26	25	358	390	163	158,5	126	360,-	963-130H	165,-

Crane scale KERN HFA

NEW



Compact crane scale with integrated display for use in harsh environmental conditions

Features

- 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)
- With its high-quality finish, low weight and compact dimensions, this crane scale (tensile force gauge) is an essential device for industrial use, on building sites, in freight centres, ports etc.
- Because of its compact design ideally suited for installation in a system plant etc.
- Ideally suited for determining weight quickly while loading and unloading
- **Peak load display** (peak hold)
- **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

- Large backlit LCD display, digit height 23 mm
- Material and design of housing/load support, models with [Max] ≤ 3 t: aluminium/stainless steel bearing [Max] > 3 t: steel
- Rechargeable battery pack internal, standard, operating time up to 30 h, charging time approx. 12 h (internal charging with mains adapter), charge status indicator on display

- Optional battery operation, 3 x 1.5 V AA not included, operating time up to 40 h
- Precision: 0,2 % of [Max]
- Measuring frequency: 60 Hz
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C / 35 °C

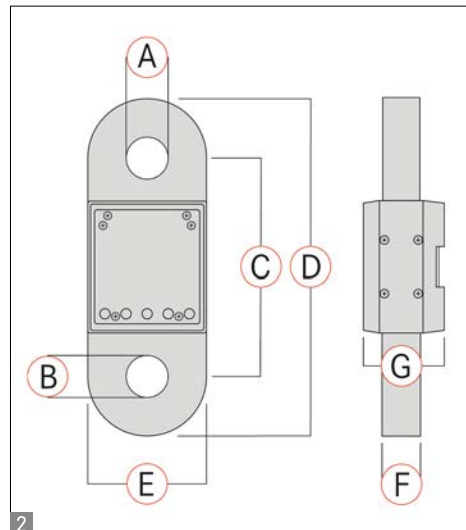
STANDARD

OPTION



Model	Weighing range [Max] kg	Readout [d] g	2 Dimensions						Net weight approx. kg	Price excl. of VAT ex works €	Option DAKkS Calibr. Certificate	
			A = B	C	D	E	F	G			DAKkS KERN	€
			mm	mm	mm	mm	mm	mm				
HFA 600K-1	600	200	27	165	255	90	30	55	1,8	590,-	963-130H	165,-
HFA 1T-4	1000	500	27	165	255	90	30	55	1,8	690,-	963-130H	165,-
HFA 3T-3	3000	1000	27	165	255	90	30	61	1,8	750,-	963-132H	500,-
HFA 5T-3	5000	2000	30	165	255	90	30	61	3,9	790,-	963-132H	500,-
HFA 10T-3	10000	5000	40	185	275	90	40	71	5,5	990,-	963-133H	700,-

NEW



Compact crane scale for use in harsh environmental conditions, with convenient hand-held terminal

Features

- 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)
- With its high-quality finish, low weight and compact dimensions, this crane scale (tensile force gauge) is an essential device for industrial use, on building sites, in freight centres, ports etc.
- Because of its compact design ideally suited for installation in a system plant etc.
- Ideally suited for determining weight quickly while loading and unloading
- Peak load display** (peak hold)
- 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
- Display device with integrated radio module,** which the user can carry around with him, thanks to the convenient hand strap. In this way the weighing data can always be read off the display device even though the user might find himself in a remote distance from the crane scale (force gauge) or under poor lighting conditions Standard. Range up to 100 m. All functions can be selected. LCD display, digit height 23 mm, rechargeable battery pack internal, standard (internal charging with mains adapter). Operating time up to 30 h without backlight, charging time approx. 12 h. Dimensions housing WxDxH 88x64x256 mm

Technical data

- Large backlit LCD display, digit height 23 mm
- Material and design of housing/load support, models with [Max] ≤ 3 t: aluminium/stainless steel bearing [Max] > 3 t: steel
- Rechargeable battery pack internal, standard, operating time up to 30 h, charging time approx. 12 h (internal charging with mains adapter), charge condition indicator on display
- Optional battery operation, 3 x 1.5 V AA not included, operating time up to 40 h
- Precision: 0,2 % of [Max]
- Measuring frequency: 60 Hz
- Further weighing units: kg, lb, N
- Permissible ambient temperature 5 °C / 35 °C

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STANDARD

CAL EXT UNIT BATT ACCU 230 V DMS 1 DAY 3 YEARS WARRANTY

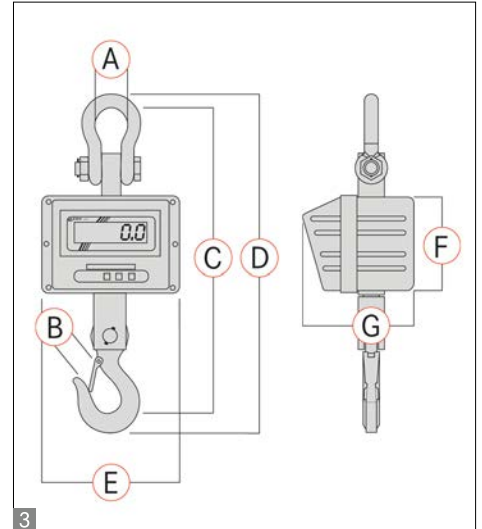
OPTION

DAkKS +3 DAYS

only load support

Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	2 Dimensions						Price excl. of VAT ex works €	Option DAkKS Calibr. Certificate	
				A = B	C	D	E	F	G		DAKKS KERN	€
				mm	mm	mm	mm	mm	mm			
KERN HFC 1T-4	1000	500	2,5	27	165	255	90	30	55	990,-	963-130H	165,-
HFC 3T-3	3000	1000	4,4	27	165	255	90	30	61	1050,-	963-132H	500,-
HFC 5T-3	5000	2000	4,4	30	165	255	90	30	61	1090,-	963-132H	500,-
HFC 10T-3	10000	5000	5,5	40	185	275	90	40	71	1290,-	963-133H	700,-

Crane scale KERN HFM



Industrial crane scale up to 10 t

Features

- 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 construction and robust design, it is ideal for continuous use in industrial applications
- **High mobility:** thanks to battery operation, compact construction and low weight, it is suitable for use in several locations (production, warehouse, dispatch department etc.)

- Adaptation to unstable environmental conditions by changing the readability
- **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
- **Hook with safety catch,** revolving
- **Radio remote control** standard. Range up to 20 m. All functions can be selected (excl. ON/OFF). WxDxH 48x10x95 mm. Batteries included, 2 x 1,5 V AAA

Technical data

- Superior display size: digit height 30 mm. Luminescent LED display for easy reading of weight values, even from a distance or under poor lighting conditions
- Rechargeable battery pack internal, standard, operating time up to 50 hours with backlight, charging time approx. 14 h, can be retrofitted, KERN HFM-A01, € 50,-
- Precision: 0,2 % of [Max]
- Permissible ambient temperature 0 °C / 40 °C

STANDARD



OPTION

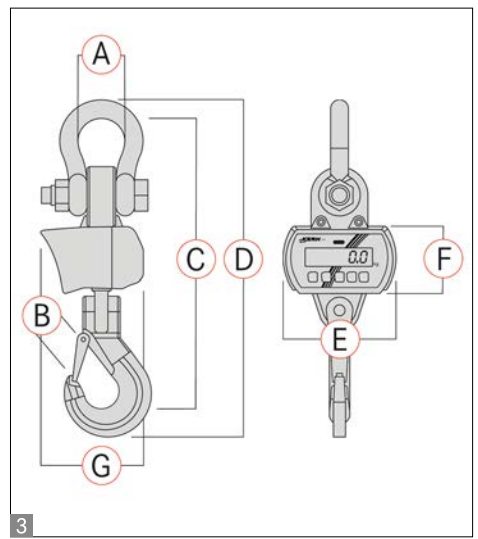


Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	3 Dimensions							Price excl. of VAT ex works €	Option DAKKS Calibr. Certificate	
				A mm	B mm	C mm	D mm	E mm	F mm	G mm		DAKKS KERN	€
HFM 1T0.1	1000	100	15	80	40	540	610	270	200	175	650,-	963-130H	165,-
HFM 3T0.5	3000	500	16,5	75	50	540	610	270	200	175	670,-	963-132H	500,-
HFM 5T0.5	5000	500	25	75	50	650	730	300	230	190	860,-	963-132H	500,-
HFM 10T1	10000	1000	37	100	60	750	840	300	230	190	1190,-	963-133H	700,-

Crane scale KERN HTS



NEW



Robust industrial crane scale up to 10 t, with EC type approval [M]

Features

- 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 construction and robust design, it is ideal for continuous use in industrial environment
- High mobility:** thanks to battery operation, compact construction and low weight, it is suitable for use in several locations (production, warehouse, dispatch department etc.)
- Range of tare: 100 % of [Max]
- Tare:** Resets the display to "0" when there is a load on the scale. Now removed or added loads are directly displayed

- Hook with safety catch**, non-revolving
- Infrared remote control** standard. Range up to 8 m. All functions can be selected. WxDxH 65x24x100 mm. Batteries included, 9 V

Additional functions:

- LED display with Gross/Tare/Net
- Charge status indicator visualised through LED
- Standby function: display automatically switched off after 5 min without a change of load. Automatic activation with the touch of a key

Technical data

- Superior display size: digit height 25 mm. Large backlit LCD display for easy reading of the weight, even from a distance or under poor lighting conditions
- Rechargeable battery pack internal, standard, operating time up to 100 hours with backlight, charging time approx. 12 h
- Precision: 0,1 % of [Max]
- Net weight approx. 20 kg
- Permissible ambient temperature -20 °C / 40 °C

STANDARD



OPTION



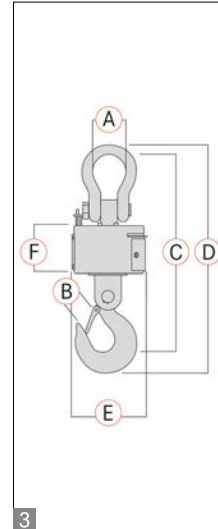
FACTORY



Model	Weighing range [Max] kg	Readout [d] = [e] g	Minimum load [Min] kg	3 Dimensions							Price excl. of VAT ex works €	Options			
				A	B	C	D	E	F	G		Verification		DAkkS Calibr. Certificate	
				mm	mm	mm	mm	mm	mm	mm		MID KERN	€	DAkkS KERN	€
HTS 1T-4AM	1500	500	10	33,3	29	314,6	359,3	200	121	181	1070,-	950-130H	185,-	963-130H	165,-
HTS 3T-3AM	3000	1000	20	42,9	47	346,75	369,25	200	121	181	1150,-	950-132H	500,-	963-132H	500,-
HTS 6T-3AM	6000	2000	40	58	55	440	518,6	200	121	181	1250,-	950-132H	500,-	963-132H	500,-
HTS 10T-3AM	10000	5000	100	82,6	61	535,35	628,35	200	121	181	1350,-	950-133H	700,-	963-133H	700,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.

Crane scale KERN HFT



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

Features

- 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
- **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

- **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 retrofitted, scale: 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, € 50,-

STANDARD



OPTION



Model	Weighing range [Max] kg	Readout [d] g	Net weight approx. kg	3 Dimensions						Price excl. of VAT ex works €	Option DAKKS Calibr. Certificate	
				A	B	C	D	E	F		DAKKS KERN	€
				mm	mm	mm	mm	mm	mm			
HFT 3T0.5	3000	500	28	73	39	545	650	270	145	1120,-	963-132H	500,-
HFT 5T1	5000	1000	45	76	51	635	760	270	147	1320,-	963-132H	500,-
HFT 10T2	10000	2000	53	92	61	735	840	270	167	1640,-	963-133H	700,-
HFT 15T5	15000	5000	73	99	61	842	950	320	160	2410,-	963-133H*	700,-

* Calibration up to [Max] = 12 t

Tradition and innovation for more than 170 years

An independent family business, KERN since already 6 generations is synonymous with quality and reliability in customer service.

<p>► 1844</p>	<p>► 1863</p>	<p>► 1880</p>	<p>► 1923</p>	<p>► 1980</p>
<p>KERN is founded – precision balances are produced</p>	<p>A proud Gottlieb Kern with his staff</p>	<p>Pharmaceutical balance with Aesculap</p>	<p>Inflation – KERN wages are paid with self printed currency</p>	<p>The electronic balance ousts mechanical devices</p>
<p>► 1994</p>	<p>► 2000</p>	<p>► 2002</p>	<p>► 2007</p>	<p>► 2008</p>
<p>Accredited DKD laboratory (ISO 17025)</p>	<p>New premises in Balingen</p>	<p>Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards</p>	<p>Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)</p>	<p>Authorisation for initial verification by the manufacturer (2009/23/EC)</p>
<p>► 2009</p>	<p>► 2012</p>	<p>► 2013</p>	<p>► 2014</p>	
<p>Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)</p>	<p>New customer portal www.kern-sohn.com goes live</p>	<p>Starting construction of Ziegelei 2.0 with computer-controlled high-bay warehouse</p>	<p>Expansion of the product range to include optical instruments (microscopes and refractometers)</p>	

Our Tip

Come to see the Museum of scale and weight ...



How a scale learned to weigh! Come and experience KERN history in the Zollernschloss at Balingen ...

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DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer
2009/23/EC
- Medical certifications
DIN EN ISO 13485 and
93/42/EEC


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