

Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), with EC type approval [M]

Features

- Tough industry standard suitable for use in harsh industrial applications
- Weighing plate screwed on from the top with stainless steel screws, so it's easy to remove, hygienic and easy to clean
- Weighing bridge: stainless steel, extremely resistant to bending due to material thickness, 4 welded stainless steel load cells, dust and spray protection IP68.
 Weighing bridge can also be delivered as component without the display device, for details see KERN KFP-V40
- Your support in a HACCP-compliant quality system
- Easy levelling of the weighing bridge as well as access to the junction box from above
- Display device: stainless steel, protection against dust and water splashes IP65, hygienic and easy to clean. The display device can also be delivered as a component

without the weighing bridge, for details see KERN KFN-TM

- Benchtop stand incl. wall mount for display device as standard
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- Totalising of weights and piece counts

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H
 266×165×96 mm
- Cable length of display device approx. 5 m
- Weighing plate dimensions W×D×H
 1000×1000×85 mm
- 1500×1250×80 mm
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C







Accessories

- Stand to elevate display device, height of stand approx. 800 mm, can be retrofitted, KERN BFN-A04
- Ascending ramp, stainless steel, not included, for models with weighing plate size
 KERN BFN-A05
 KERN BFN-A01
- Pair of base plates to fix the weighing bridge to the floor, KERN BKN-A07
- Stable pit frame, stainless steel, dimensions, W×D×H 1335×1585×80 mm, for models with weighing plate size II, KERN BFN-A02
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- Cable with special length 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

Shipment via freight forwarder.
Please ask for dimensions, gross weight, shipping costs

STANDARD OPTIO	N FACTORY	
Image: Calexi pcs Image: Calexipcs Image: Calexi pcs Ima		M 3 DAYS

Model	Weighing	Readout =	Minimal load	Net weight	Weighing plate		Options			
	range	Verif. value		approx.			Verification		DAkkS Calibr. Certificate	
	[Max]	[d] = [e]	[Min]				M		DKD	
KERN	kg	kg	kg	kg			KERN		KERN	
BFN 600K-1SM	600	0,2	4	100	Α		965-230		963-130	
BFN 1T-4SM	1500	0,5	10	100	Α		965-230		963-130	
BFN 1.5T0.5M	1500	0,5	10	135	В		965-230		963-130	
BFN 3T-3M	3000	1	20	135	В		965-230		963-130	
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible										

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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 2014/31/EU 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.



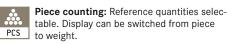
Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.



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.



Recipe level A: Separate memory for the weight of the tare container and the recipe 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, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition.



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

Weighing units: Can be switched to e.g. non-

metric units at the touch of a key. See balance

Weighing with tolerance range: Upper and

lower limiting values can be programmed indivi-

dually for e.g. dosing, sorting and portioning.

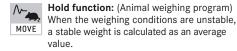
model. Please refer to KERN's website for

Percentage determination: Determining <u>70</u> the deviation in % from the target value PERCENT (100 %).

more details.

S UNIT





a stable weight is calculated as an average value. Protection against dust and water splashes **666** IPxx: The type of protection is shown in the IP



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 BATT for each device.

KERN – Precision is our business

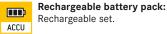
To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and forcemeasurement 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
 - SOHN GmbH is under license. Other trademarks and trade names are those of their respective owner



Universal mains adapter: with universal input and optional input socket adapters for MULTI 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 230 V 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.

<u>آ</u>بوا SC TECH



Verification possible:

The time required for verification is specified +3 DAYS 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.

Your KERN specialist dealer:



INOX

pictogram.