



Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- Ideal for the **robust industrial applications**
- **1 Platform:** made entirely of stainless steel, silicone-coated steel load cell, protection against dust and water splashes IP67
- **2 Display device:** stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)

- **3 SFB-H: Column,** as standard, for models with weighing plate size
300×240 mm: Column height approx 200 mm
400×300 mm: Column height approx. 400 mm

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. 3 m
- 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

- **Data interface RS-232,** interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- **Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01
- **4 Stand** to elevate display device, height of stand approx. 800 mm null, can be retrofitted, KERN BFS-A07
- Suitable printers see *Accessories*

STANDARD



OPTION

FACTORY

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimal load [Min] kg	Net weight approx. kg	Weighing plate W×D mm	Options			
							Verification		DAkkS Calibr. Certificate	
KERN							M KERN		DKD KERN	
SFB 50K-3XL	50	5	-	-	14	500×400	-		963-128	
SFB 100K-2L*	100	10	-	-	14	500×400	-		963-129	
SFB 100K-2XL	100	10	-	-	26	650×500	-		963-129	
SFB 200K-2XL*	200	20	-	-	26	650×500	-		963-129	
with elevated display										
SFB 10K1HIP	10	1	-	-	8	300×240	-		963-128	
SFB 20K2HIP	20	2	-	-	9	300×240	-		963-128	
SFB 50K5HIP	50	5	-	-	9	300×240	-		963-128	
SFB 50K5LHIP	50	5	-	-	13	650×500	-		963-128	
SFB 100K10HIP	100	10	-	-	13	400×300	-		963-129	
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.										
SFB 60K-2XLM	60	20	20	0,4	16	500×400	965-229		963-129	
SFB 100K-2LM	150	50	50	1	16	500×400	965-229		963-129	
SFB 100K-2XLM	150	50	50	1	24	660×505	965-229		963-129	
SFB 300K-1LM*	300	100	100	2	26	650×500	965-229		963-129	
with elevated display										
SFB 15K5HIPM	15	5	5	0,1	8	300×240×100	965-228		963-128	
SFB 30K10HIPM	30	10	10	0,2	8	300×240×100	965-228		963-128	
SFB 60K20HIPM*	60	20	20	0,4	9	300×240×100	965-229		963-129	
SFB 60K20LHIPM	60	20	20	0,4	13	400×300×128	965-229		963-129	
SFB 100K-2HM	150	50	50	1	14	400×300×128	965-229		963-129	

1 *ONLY WHILE STOCKS LAST !

KERN Pictograms:



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



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



Rechargeable battery pack: Rechargeable set.



Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.



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



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



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



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



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



Alibi memory: Electronic archiving of weighing results, complying with the 2014/31/EU standard.



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.



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



Data interface RS-232: To connect the balance to a printer, PC or network.



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



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.



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



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



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



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



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



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



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



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.



Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.



Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.



DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram.



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



Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.



Package shipment: The time required for internal shipping preparations is shown in days 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.



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.



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



Stainless steel: The balance is protected against corrosion.



Warranty: The warranty period is shown in the pictogram.



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



Suspended weighing: Load support with hook on the underside of the balance.



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



Battery operation: Ready for battery operation. The battery type is specified 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 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
- 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

Your KERN specialist dealer: