



1 KERN SFB



3 KERN SFB-H

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

### Features

- Ideal for robust industrial application
- Scale entirely out of stainless steel
- 1 Load cell stainless steel, silicone-coated, IP67
- 2 Display device: IP65 (only when using rechargeable battery pack)
- 3 only SFB-H: Stand to elevate display device, standard, for models with weighing plate size WxD 300x240 mm: height of stand approx. 200 mm 400x300 mm: height of stand approx. 400 mm, enlarged picture

- Your support in an HACCP-compliant quality system

### Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Cable length of display device approx. 2 m
- Rechargeable battery pack internal, standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature SFB: 0 °C / 40 °C, SFB-M: -10 °C / 40 °C

### Accessories

- Data interface RS-232, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01
- Only SFB 3: Stand to elevate display device, to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01

### STANDARD

### OPTION

### FACTORY






































only SFB-M / SFB-HM

Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate WxD mm	Options			
							Verification		DAkkS Calibr. Certificate	
<b>KERN</b>										
SFB 50K-3XL	50	5	-	-	15	500x400	-	-	963-128	
SFB 100K-2L	100	10	-	-	15	500x400	-	-	963-129	
SFB 100K-2XL	100	10	-	-	24,5	650x500	-	-	963-129	
SFB 200K-2XL	200	20	-	-	24,5	650x500	-	-	963-129	
with elevated display										
SFB 10K1HIP	10	1	-	-	9	300x240	-	-	963-128	
SFB 20K2HIP	20	2	-	-	9	300x240	-	-	963-128	
SFB 50K5HIP	50	5	-	-	9	300x240	-	-	963-128	
SFB 50K5LHIP	50	5	-	-	14	400x300	-	-	963-128	
SFB 100K10HIP	100	10	-	-	14	400x300	-	-	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	400	15	500x400		965-229	963-129	
SFB 100K-2LM	150	50	50	1000	15	500x400		965-229	963-129	
SFB 100K-2XLM	150	50	50	1000	24,5	650x500		965-229	963-129	
SFB 300K-1LM	300	100	100	2000	24,5	650x500		965-229	963-129	
with elevated display										
SFB 15K5HIPM	15	5	5	100	9	300x240		965-228	963-128	
SFB 30K10HIPM	30	10	10	200	9	300x240		965-228	963-128	
SFB 60K20HIPM	60	20	20	400	9	300x240		965-229	963-129	
SFB 60K20LHIPM	60	20	20	400	14	400x300		965-229	963-129	
SFB 120K50HIPM*	120	50	50	1000	14	400x300		965-229	963-129	
SFB 100K-2HM	150	50	50	1000	14	400x300		965-229	963-129	

1 \* ONLY WHILE STOCKS LAST

Price reduction

# KERN Pictograms

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Recipe level C:</b> 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.	 <b>Rechargeable battery pack:</b> Rechargeable set.
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Totalising level C:</b> 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.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.	 <b>Strain gauges:</b> Electrical resistor on an elastic deforming body.	 <b>Tuning fork principle:</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>Bluetooth data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Electromagnetic force compensation:</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <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>Single cell technology:</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <b>Vibration-free weighing:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>DAkkS calibration possible:</b> The time required for DAkkS calibration is shown in days in the pictogram.
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram. For details see the glossary.	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.	 <b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers, see "Accessories"	 <b>Stainless steel:</b> The balance is protected against corrosion.	 <b>Warranty:</b> The warranty period is shown in the pictogram.
 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.		

## 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 6 t
- DAkkS 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
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL

## Your KERN specialist dealer: