

## Stainless steel platform scale KERN SFB-H · SFB



Please note: only one optional interface can be fitted for each one

## 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 Stainless 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** KERN SFB-H: Column, standard, for models with weighing plate size 300×240 mm: Height of stand approx. 200 mm 400×300 mm: Height of stand approx. 400 mm

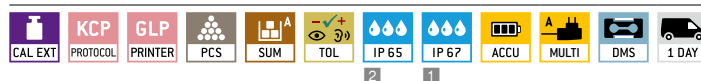
### Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing plate dimensions, stainless steel
  - A** W×D×H 300×240×105 mm
  - B** W×D×H 400×300×105 mm
  - C** W×D×H 500×400×137 mm
  - D** W×D×H 650×500×142 mm
- KERN SFB: Cable length of display device approx. 3 m
- Rechargeable battery pack integrated, as standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °

### Accessories

- **4** KERN SFB: Stand to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01
- **5** KERN SFB: Stand to elevate display device, height of stand approx. 800 mm, KERN BFN-A04
- Data interface RS-232, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03
- Analogue module 0–10 V, must be ordered at purchase, KERN KFB-A04
- Analogue module 4–20 mA, must be ordered at purchase, KERN KFB-A05
- Further details, plenty of further accessories and suitable printers see *Accessories*

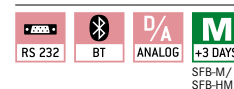
### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Verification	Option
							M D KERN	DAKKS Calibr. Certificate
								DAKKS KERN
SFB 50K-3XL	50	5	-	-	14	C	-	963-128
SFB 100K-2XL	100	10	-	-	24	D	-	963-129
with elevated display								
SFB 10K1HIP	10	1	-	-	8	A	-	963-128
SFB 20K2HIP	20	2	-	-	8	A	-	963-128
SFB 50K5HIP	50	5	-	-	8	A	-	963-128
SFB 50K5LHIP	50	5	-	-	10	B	-	963-128
SFB 100K10HIP	100	10	-	-	10	B	-	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	14	C	965-229	963-129
SFB 100K-2LM	150	50	50	1000	14	C	965-229	963-129
SFB 100K-2XLM	150	50	50	1000	24	D	965-229	963-129
with elevated display								
SFB 15K5HIPM	15	5	5	100	8	A	965-228	963-128
SFB 30K10HIPM	30	10	10	200	8	A	965-228	963-128
SFB 60K20LHIPM	60	20	20	400	10	B	965-229	963-129
SFB 100K-2HM	150	50	50	1000	10	B	965-229	963-129

- 
**Internal adjusting:**  
 Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
- 
**Network interface:**  
 For connecting the scale to an Ethernet network
- 
**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
- 
**KERN Communication Protocol (KCP):**  
 It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems
- 
**Battery operation:**  
 Ready for battery operation. The battery type is specified for each device
- 
**Easy Touch:**  
 Suitable for the connection, data transmission and control through PC or tablet.
- 
**Rechargeable battery pack:**  
 Rechargeable set
- 
**Memory:**  
 Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
- 
**GLP/ISO log:**  
 The balance displays weight, date and time, independent of a printer connection
- 
**Universal plug-in power supply:**  
 with universal input and optional input socket adapters for  
 A) EU, CH, GB  
 B) EU, CH, GB, USA  
 C) EU, CH, GB, USA, AUS
- 
**Alibi memory:**  
 Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
- 
**GLP/ISO log:**  
 With weight, date and time. Only with KERN printers.
- 
**Plug-in power supply:**  
 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
- 
**KERN Universal Port (KUP):**  
 allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
- 
**Piece counting:**  
 Reference quantities selectable. Display can be switched from piece to weight
- 
**Integrated power supply unit:**  
 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
- 
**Recipe level A:**  
 The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out
- 
**Weighing principle: Strain gauges**  
 Electrical resistor on an elastic deforming body
- 
**RS-485 data interface:**  
 To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible
- 
**Recipe level B:**  
 Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
- 
**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
- 
**Totalising level A:**  
 The weights of similar items can be added together and the total can be printed out
- 
**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
- 
**Percentage determination:**  
 Determining the deviation in % from the target value (100 %)
- 
**Weighing principle: Single cell technology:**  
 Advanced version of the force compensation principle with the highest level of precision
- 
**WiFi data interface:**  
 To transfer data from the balance to a printer, PC or other peripherals
- 
**Weighing units:**  
 Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details
- 
**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.
- 
**Weighing with tolerance range:**  
 (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model
- 
**DAkkS calibration possible (DKD):**  
 The time required for DAkkS calibration is shown in days in the pictogram
- 
**Analogue interface:**  
 to connect a suitable peripheral device for analogue processing of the measurements
- 
**Hold function:**  
 (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
- 
**Factory calibration (ISO):**  
 The time required for Factory 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
- 
**Pallet shipment:**  
 The time required for internal shipping preparations is shown in days in the pictogram

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