

## Stainless steel bench scale KERN FOB-LM



Compact stainless steel bench scale with EC type approval [M] and special checkweighing display for even more efficient working

### Features

- **1** Innovative weighing with tolerance range (Checkweighing): The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- **2** Ideal for the increased hygienic requirements in the food industries
- High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)
- Your support in a HACCP-compliant quality system
- Protection against dust and water splashes IP65 (only when using battery)

- Secure and non-slip positioning with rubber feet
- Increased protection against humidity through waterproof silicone sealing of the load cell, electronics and soldering joints
- Mains adapter included with the delivery
- Protective working cover included with delivery

### Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 248x198 mm
- Overall dimensions WxDxH 256x285x100 mm
- Battery operation, 4x1.5 V AA standard, operating time up to 48 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,8 kg
- Permissible ambient temperature 0 °C/40 °C

### Accessories

- **3** Protective working cover, scope of delivery 5 items, KERN FOB-A13S05
- **4** Tare pan made from stainless steel, overall dimensions WxDxH, 400x300x45 mm, KERN RFS-A02

**Note:** Official verification is mandatory for commercial trade

#### STANDARD



#### OPTION



#### FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate mm	Option	
						Verification M	DAkkS Calibr. Certificate DAkkS
KERN						KERN	KERN
FOB 1K-4LM	1,5	0,5	0,5	10	248x198	965-227	963-127
FOB 3K-3LM	3	1	1	20	248x198	965-227	963-127
FOB 6K-3LM	6	2	2	40	248x198	965-228	963-128
FOB 10K-3LM	15	5	5	100	248x198	965-228	963-128

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.

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**Internal adjusting:**  
 Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
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**Adjusting program CAL:**  
 For quick setting up of the balance's accuracy. External adjusting weight required
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**Easy Touch:**  
 Suitable for the connection, data transmission and control through PC or tablet.
- 
**Memory:**  
 Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
- 
**Alibi memory:**  
 Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
- 
**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
- 
**Data interface RS-232:**  
 To connect the balance to a printer, PC or network
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**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
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**USB data interface:**  
 To connect the balance to a printer, PC or other peripherals
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**Bluetooth\* data interface:**  
 To transfer data from the balance to a printer, PC or other peripherals
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**WiFi 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.
- 
**Analogue interface:**  
 to connect a suitable peripheral device for analogue processing of the measurements
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**Interface for second balance:**  
 For direct connection of a second balance
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**Network interface:**  
 For connecting the scale to an Ethernet network
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**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
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**GLP/ISO log:**  
 The balance displays weight, date and time, independent of a printer connection
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**GLP/ISO log:**  
 With weight, date and time. Only with KERN printers.
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**Piece counting:**  
 Reference quantities selectable. Display can be switched from piece to weight
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**Recipe level A:**  
 The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out
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**Recipe level B:**  
 Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
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**Totalising level A:**  
 The weights of similar items can be added together and the total can be printed out
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**Percentage determination:**  
 Determining the deviation in % from the target value (100 %)
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**Weighing units:**  
 Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details
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**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
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**Hold function:**  
 (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
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**Protection against dust and water splashes IPxx:**  
 The type of protection is shown in the pictogram.
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**Suspended weighing:**  
 Load support with hook on the underside of the balance
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**Battery operation:**  
 Ready for battery operation. The battery type is specified for each device
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**Rechargeable battery pack:**  
 Rechargeable set
- 
**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
- 
**Plug-in power supply:**  
 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
- 
**Integrated power supply unit:**  
 Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
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**Weighing principle: Strain gauges**  
 Electrical resistor on an elastic deforming body
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**Weighing principle: Tuning fork**  
 A resonating body is electromagnetically excited, causing it to oscillate
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**Weighing principle: Electromagnetic force compensation**  
 Coil inside a permanent magnet. For the most accurate weighings
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**Weighing principle: Single cell technology:**  
 Advanced version of the force compensation principle with the highest level of precision
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**Verification possible:**  
 The time required for verification is specified in the pictogram
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**DAkkS calibration possible (DKD):**  
 The time required for DAkkS calibration is shown in days in the pictogram
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**Factory calibration (ISO):**  
 The time required for Factory calibration is shown in days in the pictogram
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**Package shipment:**  
 The time required for internal shipping preparations is shown in days in the pictogram
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**Pallet shipment:**  
 The time required for internal shipping preparations is shown in days in the pictogram

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