



KERN FOB



KERN FOB-N

Compact stainless steel balances with EC-Type Approval [M]

	KERN FOB	KERN FOB-N
Features	<ul style="list-style-type: none"> <li>• <b>Stainless steel design of the housing</b> and weighing plate. Its smooth surfaces make it simple to clean</li> <li>• <b>High mobility:</b> thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)</li> <li>• Your support in a <b>HACCP-compliant</b> quality system</li> <li>• <b>Protective working cover</b> included with delivery</li> </ul>	
	<ul style="list-style-type: none"> <li>• <b>Secure and non-slip positioning</b> with rubber feet</li> <li>• <b>Increased protection against humidity</b> through waterproof silicone sealing of the load cell, electronics and soldering joints</li> <li>• <b>Check the weighing range</b> which is in use at the press of a button (net/gross weight)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Protection against dust and water splashes IP67</b> (only when using battery)</li> </ul>
Technical data	<ul style="list-style-type: none"> <li>• Large LCD display, digit height 25 mm</li> <li>• Dimensions weighing surface, stainless steel  <b>A</b> W×D 175×160 mm <b>B</b> W×D 215×215 mm</li> <li>• Overall dimensions W×D×H  <b>A</b> 175×235×60 mm <b>B</b> 220×305×80 mm</li> <li>• Net weight  <b>A</b> approx. 2,2 kg <b>B</b> approx. 2,8 kg</li> <li>• Permissible ambient temperature                      KERN FOB: -10 °C/40 °C                      KERN FOB-M: 0 °C/40 °C</li> </ul>	<ul style="list-style-type: none"> <li>• Large backlit LCD display, digit height 25 mm</li> <li>• Dimensions weighing surface, stainless steel,  <b>C</b> W×D 252×200 mm</li> <li>• Overall dimensions W×D×H 285×255×90 mm</li> <li>• Ready for use: Batteries included, 4×1.5 V AA, operating time up to 48 h</li> <li>• Net weight approx. 3,8 kg</li> <li>• Permissible ambient temperature 5 °C/35 °C</li> </ul>
Accessories	<ul style="list-style-type: none"> <li>• <b>Protective working cover</b>, scope of delivery: 5 items, for models with weighing plate size  <b>A</b> KERN FOB-A05S05  <b>B</b> KERN FOB-A06S05</li> <li>• <b>Rechargeable battery pack internal</b>, for models with weighing plate size  <b>A</b> operating time up to 24 h, without backlight, charging time approx. 8 h, KERN FOB-A07  <b>B</b> operating time up to 30 h, without backlight, charging time approx. 14 h, KERN FOB-A08</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Protective working cover</b>, scope of delivery: 5 items, KERN FOB-A13S05</li> <li>• <b>Mains adapter external</b>, KERN FOB-A01</li> </ul>

STANDARD FOB



OPTION



FACTORY



STANDARD FOB-N



OPTION



Model	Weighing range	Readout	Verification value [e]	Minimal load	Weighing plate W×D	Options			
						Verification		DAkkS Calibr. Certificate	
						M07 KERN		DKD KERN	
KERN	[Max] kg	[d] g	[e] g	[Min] g	mm				
FOB 1.5K0.5*	1,5	0,5	-	-	A				963-127
FOB 3K1*	3	1	-	-	A				963-127
FOB 6K2*	6	2	-	-	A				963-128
FOB 15K1L*	15	1	-	-	B				963-128
FOB 30K2L*	30	2	-	-	B				963-128
FOB 1K1M	1	1	1	20	A	965-227			963-127
FOB 7K-4NL	5   7,5	0,5   1	-	-	C		↓		963-128
FOB 10K-3NL	8   15	1   2	-	-	C		↓		963-128
FOB 30K-3NL	16   30	2   5	-	-	C		↓		963-128

! \*ONLY WHILE STOCKS LAST!

# KERN Pictograms

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 <b>GLP/ISO log:</b> The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 <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>GLP/ISO log:</b> With weight, date and time. Only with KERN printers	 <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>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight	 <b>Rechargeable battery pack:</b> Rechargeable set
 <b>Alibi memory:</b> Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.	 <b>Recipe level A:</b> The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 <b>Recipe level C:</b> 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	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out	 <b>Weighing principle: Strain gauges</b> Electrical resistor on an elastic deforming body
 <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>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate
 <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. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> (Check-weighing) 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	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision
 <b>Interface for second balance:</b> For direct connection of a second balance	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 <b>Verification possible:</b> The time required for verification is specified in the pictogram +3 DAYS
 <b>Network interface:</b> For connecting the scale to an Ethernet network	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.	 <b>DAkkS calibration possible (DKD):</b> The time required for DAkkS calibration is shown in days in the pictogram +3 DAYS
 <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module	 <b>Stainless steel:</b> The balance is protected against corrosion	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram 1 DAY
 <b>KERN Communication Protocol (KCP):</b> 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		 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram 2 DAYS

## 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: