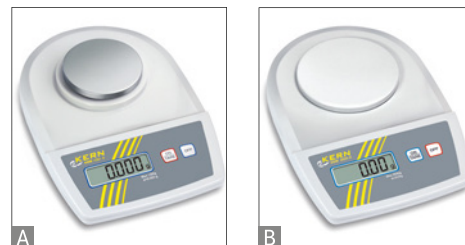


Precision balance KERN EMB



Entry level laboratory balance with tremendous weighing performance

Features

- **Simple and convenient 2-key operation**, making them ideal for use in schools and universities
- **Tare function** facilitates formulation work
- **Particularly flat design**
- **Secure and non-slip positioning** with rubber feet
- **Ready for use:** Batteries included. AUTO-OFF function to preserve the batteries, can be switched off
- **1 Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 96x35 mm

- **Hook for underfloor weighing** standard

Technical data

- Large LCD display, digit height 15 mm
- Weighing plate dimensions \varnothing
 - A** 82 mm
 - B** 105 mm
 - C** 150 mm, see enlarged picture
- Weighing plate material
 - A** Plastic, with conductive lacquer
 - B, C** Plastic
- Net weight approx. 0,5 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90x40 mm, can be retrofitted, KERN EMB-A01
- **2 Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMB-A02
- **3 Stack frame** for space-saving storage of precision balances from the KERN EMB range, scope of delivery 5 pieces, for models with housing dimensions WxDxH 170x240x39 mm: KERN EMB-A07 170x240x53 mm: KERN EMB-A09
- **Mains adapter external** not included, can be retrofitted, KERN 440-902

STANDARD











































OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Dimensions housing WxDxH mm	Weighing plate	Option	
							DAkKS KERN	Calibr. Certificate
EMB 100-3	100	0,001	0,001	± 0,005	170x240x53	A	963-127	
EMB 200-3	200	0,001	0,001	± 0,005	170x240x53	A	963-127	
EMB 200-2	200	0,01	0,01	± 0,02	170x240x39	B	963-127	
EMB 600-2	600	0,01	0,01	± 0,03	170x240x39	B	963-127	
EMB 1000-2	1000	0,01	0,01	± 0,03	170x240x53	C	963-127	
EMB 2000-2	2000	0,01	0,01	± 0,05	170x240x53	C	963-127	
EMB 500-1	500	0,1	0,1	± 0,2	170x240x39	C	963-127	
EMB 1200-1	1200	0,1	0,1	± 0,3	170x240x39	C	963-127	
EMB 3000-1	3000	0,1	0,1	± 0,3	170x240x39	C	963-127	
EMB 6000-1	6000	0,1	0,1	± 0,3	170x240x39	C	963-128	
EMB 2200-0	2200	1	1	± 2	170x240x39	C	963-127	
EMB 5.2K1	5200	1	1	± 3	170x240x39	C	963-128	
EMB 5.2K5	5200	5	5	± 10	170x240x39	C	963-128	

KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 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.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Recipe level C: 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.	 Rechargeable battery pack: Rechargeable set.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 Totalising level C: 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.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Strain gauges: Electrical resistor on an elastic deforming body.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 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 %).	 Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.
 WLAN 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.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 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.
 Interface for second balance: For direct connection of a second balance.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible: The time required for DAkkS calibration 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.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 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.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Piece counting: 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.

Your KERN specialist dealer:

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