

Product brochure

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KERN EMB 2000-2V

School balance with integrated density determination function

ENGLISH



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APPLICATION EXAMPLE



FEATURES

- Thanks to the self-explanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities
- Note: Balance and appropriate set for density determination should be ordered at the same time, see accessories
- Hook for underfloor weighing standard
- Self-explanatory, graphic control panel, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - [[1]] Tare the balance by pressing the [TARE] key
 - [[2]] Select density determination mode (solids/liquids)
 - [[3]] Weighing of samples/plummets in air
 - [[4]] Weighing of samples/plummets in liquid. The density will be shown on the display right away
- Particularly flat design

TECHNICAL DATA

- Also with carat weighing unit:: [Max] 10000 ct/ [d] 0,05 ct
- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic, $\varnothing$ 150 mm, WxD
- Overall dimensions 175x250x55 mm
- Net weight approx. 0,90 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Teaching and training
- educational institutions
- Standard laboratory analyses

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
EMB 200-3V	200 g	0,001 g	0,002 g	± 0,005 g	82 mm
EMB 2000-2V	2000 g	0,01 g	0,02 g	± 0,05 g	150 mm

ACCESSORIES

Model	Description
315-312-407	Safety set 315-312-407, included weight 100 g (M1); 2000 g (F2)
326-12	Test weight 326-12 (OIML Class F1, Nominal value 2 kg, Eco Shape, stainless steel polished)
572-926	RS232 interface cable 572-926
AFH 13	Converter RS232 to USB AFH 13
KS-A01	Battery - external KS-A01
YDB-02	Density determination set YDB-02
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKI-02	RS232-Bluetooth-Adapter YKI-02
YKI-10	RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)
YKI-11	RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)
YKI-12	RS232-WiFi adapter YKI-12
YKT-01	Needle printer YKT-01

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
963-127	DAkkS calibration certificate 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview



External adjustment: Adjusting accuracy using external adjustment weight



Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible



Density determination: The density of liquids and solids with a density of $\leq$ / $\geq$ 1 is determined directly in the measuring device



Units can be switched to e.g. non-metric units



Suspended weighing: Load support with hook on the underside of the balance



Battery operation: Ready for battery operation



Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS



Weighing principle Strain gauges: Electrical resistor on an elastic deforming body



Package shipment by courier service: The duration of internal product provision is one day



Rechargeable battery pack: Rechargeable set



Accredited calibration (DAkkS): The duration of the accredited calibration is 3 working days