

PRODUCT BROCHURE

**KERN
EMB 2000-2V**

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available**

School balance with integrated density determination function

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PRODUCT SHOWCASE



DESCRIPTION

- 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	EMB 2000-2V
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Model-Serie	EMB
Assortment	KERN
Product Type	Laboratory balances
Product group	School balances

Product usage type	Main article
EAN code (Model)	4045761144453
Customs tariff number	90160010
IsKERNReferenceArticle NonMandatory	False

Technical data - Primary

Weighing capacity	2000 g
Readability	0.01 g
Repeatability	0.02 g
Linearity	± 0.05 g
Weighing surface (d)	150 mm
Recommended adjusting weight	2 kg (F1)

Technical data - Construction

Dimension housing (W×D×H)	175×250×55 mm
Material weighing plate	plastic
Casing material	plastic

Technical data - Display

Display height	15 mm
Backlight	yes

Technical data - Power supply

Battery	9 V Block
Operating time	12 h
Mains adapter/adapter included	CH;EURO;UK;US

Technical data - Measuring system

Calibration method	Adjusting with external weight
Stabilisation time under laboratory conditions	2.5 s
Warm up time	120 min
Weighing system	Strain gauge
Weighing units	ct;g
Carat - max capacity	10000 ct
Carat - readout	0.05 ct

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	35 °C
Minimum ambient temperature	5 °C
Minimum humidity	5 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	220×290×150 mm
Gross weight	1.4 kg
Net weight	0.90 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	410 g
Packaging component - by weight - plastics	10 g
Delivery time	1 d

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Optional Services

DAkkS Calibration	963-127
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FUNCTIONS

Standard
Option

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ACCESSORIES

Model	Description
440-902	Power supply KERN 440-902
YDB-02	Set for Density Determination KERN YDB-02
326-12	Test Weight KERN 326-12
572-926	Interface cable 572-926
YKC-01	Thermal printer KERN YKC-01
AFH 13	Converter KERN AFH 13
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
KS-A01	Rechargeable battery pack external KS-A01
YKH-01	Thermal printer KERN YKH-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05
470-902-003	Power supply KERN 470-902-003
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
YKG-01	Dot Matrix Printer KERN YKG-01
315-312-407	Safety Set KERN 315-312-407

SERVICES

Model	Description
970-014	Warranty extension KERN (+3 years) 970-014

Model	Description
963-127	DAkkS Calibration KERN 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

SPARE PARTS

Model	Description
REMB-6002	Weighing plate KERN REMB-6002
REMB-V-8003	Holder LCD REMB-V-8003
REMB-V-3001	LCD Display REMB-V-3001
440-902	Power supply KERN 440-902
REMB-8001	Battery compartment cover REMB-8001
REMB-V-8002	REMB-V-8002
REMB-V-4003	Display overlay REMB-V-4003
470-902-003	Power supply KERN 470-902-003
REMB-V-4002	Display overlay KERN REMB-V-4002
YKA-03N	Power Adapter KERN YKA-03N

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 500-1BE	500 g	0.1 g	0.1 g	± 0.2 g	150 mm	500 g (M1)
EMB 2000-2V	2000 g	0.01 g	0.02 g	± 0.05 g	150 mm	2 kg (F1)
EMB 200-2	200 g	0.01 g	0.01 g	± 0.02 g	105 mm	200 g (M1)
EMB 2200-0	2200 g	1 g	1 g	± 2 g	150 mm	2 kg (M1)
EMB 5.2K5	5200 g	5 g	5 g	± 10 g	150 mm	5 kg (M1)
EMB 1200-1	1200 g	0.1 g	0.1 g	± 0.3 g	150 mm	1 kg (M1)
EMB 5.2K1	5200 g	1 g	1 g	± 3 g	150 mm	5 kg (M1)
EMB 100-3	100 g	0.001 g	0.001 g	± 0.005 g	82 mm	100 g (F1)

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 1000-2	1000 g	0.01 g	0.01 g	± 0.05 g	150 mm	1 kg (F1)
EMB 600-2	600 g	0.01 g	0.01 g	± 0.03 g	105 mm	500 g (F2)
EMB 500-1	500 g	0.1 g	0.1 g	± 0.2 g	150 mm	500 g (M1)
EMB 6000-1	6000 g	0.1 g	0.1 g	± 0.3 g	150 mm	5 kg (M1)
EMB 200-3	200 g	0.001 g	0.001 g	± 0.005 g	82 mm	200 g (F1)
EMB 2000-2	2000 g	0.01 g	0.01 g	± 0.05 g	150 mm	2 kg (F1)
EMB 200-3V	200 g	0.001 g	0.002 g	± 0.005 g	82 mm	200 g (F1)
EMB 3000-1	3000 g	0.1 g	0.1 g	± 0.3 g	150 mm	3 kg (M1)

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