

KERN EMB 2000-2V

KERN

School balance with integrated density determination function



Date of creation: 14.08.2026

Category

Brand	KERN
Product category	Laboratory balance
Product group	School balance
Product family	EMB-V

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	2000 g
Readability [d]	0,01 g
Reproducibility	0,02 g
Linearity	± 0,05 g
Resolution	200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (F1)
Stabilization time	2,5 s
Eccentric loading at 1/3 [Max]	0,05 g
Weighing capacity [Max] (ct)	10000 ct
Construction type of the scale	Single-range balance
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Readability carat [d] (ct)	0,05 ct

Display

Display type	LCD
Display backlight	✓
Display digit height - smallest digit	15 mm

Display digit height	15 mm
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Construction

Dimension housing (W×D×H)	175×250×55 mm
Dimensions weighing surface (Ø)	150 mm
Dimensions weighing surface	150 mm
Material housing	plastic
Material weighing plate	plastic

Functions

Density determination	✓
Underfloor weighing	Hook (included in delivery)
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Number of keys for operation	9

Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply & battery included
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	US
Input voltage power supply / power [Max]	230 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery operating time	12 h
Battery capacity	680 mAh
Battery voltage	18 V
Battery - Number of cells	2
Battery - Individual weight	36,5 g
Battery - Total weight	73 g

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Battery – Construction	Individual cells
Battery capacity (Wh)	4,95 Wh
Battery – Lithium content	0 g
Rechargeable battery	KS-A01
Rechargeable battery operating time - backlight off	50 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Min]	5 %
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	220×290×150 mm
Shipping method	Parcel service
Net weight approx.	0,90 kg
Gross weight approx.	1,4 kg
Shipping weight	1,9 kg
Shipping volume weight	1,9 kg

Product information

GTIN/EAN number	4045761144453
Trade number	90160010
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

