

KERN EMB 200-3V

School balance with integrated density determination function

KERN



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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	200 g
Readability [d]	0,001 g
Reproducibility	0,002 g
Linearity	± 0,005 g
Resolution	200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F1)
Stabilization time	2,5 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
Construction type of the scale	Single-range balance
Units	g ct
Weighing capacity [Max] (ct)	1000 ct
Readability carat [d] (ct)	0,005 ct
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g

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

Construction	
Dimension housing (W×D×H)	175×250×55 mm
Dimensions weighing surface (Ø)	82 mm
Dimensions weighing surface	82 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

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 voltage	9 V
Battery - Number of cells	1
Battery - Individual weight	45,5 g
Battery - Total weight	45,5 g
Rechargeable battery	KS-A01
Rechargeable battery operating time - backlight off	50 h
Rechargeable battery charging time	10 h

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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



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. 0,85 kg

Gross weight approx. 1,6 kg

Shipping weight 1,9 kg

Product information

GTIN/EAN number 4045761133877

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

