

KERN EMB 500-1BE

KERN

Entry level laboratory balance with tremendous weighing performance



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	500 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
Resolution	5.000
Tare range	500 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	500 g (M1)
Possible calibration points	500 g
Stabilization time	3 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	0,5 g
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g

Units	g
	dwt
	ozt
	oz

Display

Display type	LCD
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Display backlight	no
Display screen size	58×18 mm
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	170×244×39 mm
Dimensions weighing surface (Ø)	150 mm
Dimensions weighing surface	150 mm
Material housing	plastic
Material weighing plate	plastic
Material display housing	Plastics

Functions

Underfloor weighing	Hook (included in delivery)
IP protection - complete device	-
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Number of keys for operation	2

Power Supply

Supplied power supply	Battery
Plug-in power supply type	Power adapter
	EURO
Plug-in power supply / adapter for countries - optional	UK
	US
	CH
Input voltage device / power [Max]	9 V, 300 mA
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery connection	Pad + Spring
Battery operating time	35 h
Battery voltage	9 V
Rechargeable battery	KS-A01
Rechargeable battery operating time - backlight off	50 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

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Approval

CE mark ✓

Services (optional)

Article number for adjustment at the location of installation 961-247

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) 205×266×75 mm

Shipping method Parcel service

Net weight approx. 0,55 kg

Gross weight approx. 0,70 kg

Shipping weight 0,8 kg

Pictograms

STANDARD



OPTION

