

KERN EMB 500-1BE

KERN

Entry level laboratory balance with tremendous weighing performance



Display

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

Construction

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

Functions

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

Power Supply

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

Environmental conditions

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

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
Resolution	5.000
Linearity	± 0,2 g
Reproducibility	0,1 g
Tare range	500 g
Default unit	g

Units	g
	dwt
	ozt
	oz

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

Approval

CE mark	✓
---------	---

KERN EMB 500-1BE



Entry level laboratory balance with tremendous weighing performance

Storage temperature [Max]	60 °C
---------------------------	-------

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	205×266×75 mm
Net weight	0,52 kg
Shipping method	Parcel service
Net weight approx.	0,55 kg
Gross weight approx.	0,70 kg
Shipping weight	0,8 kg

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 (verification)	969-517

Pictograms

STANDARD



OPTION

