

# KERN EMB 500-1

# 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	✓
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Storage temperature [Max]	60 °C
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## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	265×200×65 mm
Net weight	0,52 kg
Shipping method	Parcel service
Net weight approx.	0,55 kg
Gross weight approx.	0,70 kg
Shipping weight	0,7 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

