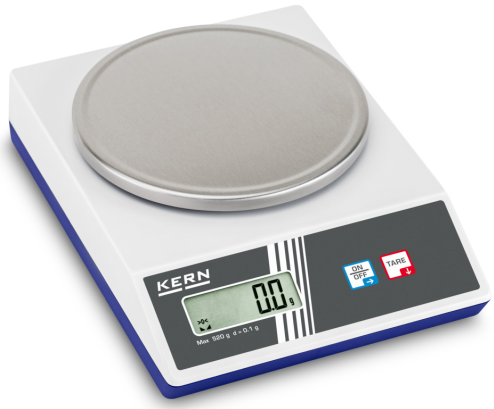
KERN **EIB 500-1**

Compact balance for school and industry



Date of creation: 24.10.2026

Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	EIB

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	520 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
Resolution	5.200
Adjustment options	Adjusting with external weight
Recommended adjusting weight	500 g (M1)
Possible calibration points	500 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,5 g
Construction type of the scale	Single-range balance
Units	g gn dwt ozt lb oz
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g
Warm-up time	10 min

Display

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

Construction

Dimension housing (W×D×H)	170×235×50 mm
Dimensions completely mounted (W×D×H)	170×235×65 mm
Dimensions weighing surface (Ø)	150 mm
Dimensions weighing surface	150 mm
Material housing	plastic
Material weighing plate	stainless steel, plastic
Material display housing	plastic

Functions

IP protection - complete device	-
Capacity - Display	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min 30 sec 60 sec
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
Number of keys for operation	2

Power Supply

Supplied power supply	Battery
Power supply type	Power adapter
Input voltage device / power [Max]	5 V, 500 mA
Power socket for mains adapter	USB-C
Battery / accumulator type	Alkali(-Manganese)
Battery	4×1.5 V AA
Battery connection	Pad + Spring
Battery operating time	75 h
Battery capacity	2.900 mAh
Battery voltage	1,5 V
Battery – Number of cells	4
Battery – Individual weight	23 g
Battery – Total weight	92 g

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Battery – Construction	Individual cells
Battery capacity (Wh)	435 Wh
Battery – Lithium content	0 g
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humity of environment [Max]	80 %

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)	250×210×80 mm
Shipping method	Parcel service
Net weight approx.	0,75 kg
Gross weight approx.	1,2 kg
Shipping weight	1,06 kg
Shipping volume weight	0,8 kg

Product information

GTIN/EAN number	4045761481459
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

