KERN **EHA 500-1**

The compact all-round model with robust stainless steel weighing plate for use in laboratories, industries, and for teaching



Date of creation: 24.10.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	School balance
Product family	EHA

Measuring System	
Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	500 g
Readability [d]	0,1 g
Reproducibility	0,3 g
Linearity	± 0,3 g
Resolution	5.000
Tare range	500 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (M1); 500 g (M1)
Possible calibration points	200 g; 500 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,3 g
Construction type of the scale	Single-range balance
Units	g gn dwt ct 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 type	LCD
Display backlight	✓
Display screen size	75×32 mm
Display segments	6
Display digit height	22 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	225×160×50 mm
Dimensions weighing surface (Ø)	105 mm
Dimensions weighing surface	105 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material platform	plastic
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
Tare function	manual (multi)
Counting resolution (laboratory conditions)	5.000
Smallest piece weight when piece counting - laboratory conditions	100 mg
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	1 g

Power Supply	
Supplied power supply	Power supply & battery function (battery not included)
Plug-in power supply / adapter for countries - included with the delivery	EURO UK CH
Plug-in power supply / adapter for countries - optional	EURO UK CH

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Input voltage power supply / power [Max]	100 - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	9 V, 600 mA
Battery / accumulator type	Alkali(-Manganese)
Battery	2×1.5 V AA
Battery connection	Battery insert
Battery operating time	70 h

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	40 °C
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

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)	245×204×76 mm
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	0,70 kg
Shipping weight	0,8 kg
Shipping volume weight	0,8 kg

Product information

GTIN/EAN number	4045761229549
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

