KERN **EFS 500-2**

Perfect school balances for experimental teaching – easy to use, space-saving, stackable



Date of creation: 24.10.2026

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

Measuring System	
Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	500 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,03 g
Resolution	50.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	500 g (F2)
Possible calibration points	500 g
Stabilization time	2,5 s
Linearisation in dots	2
Eccentric loading at 1/3 [Max]	0,05 g
Construction type of the scale	Single-range balance
Units	g gn dwt ozt lb oz
Maximum creep (15 minutes)	40 mg
Maximum creep (30 minutes)	80 mg
Default unit	g
Warm-up time	120 min

Display	
Display type	LCD
Display type	LCD
Display backlight	no
Display screen size	55×23 mm
Display segments	5 + 1/2
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	145×205×46,5 mm
Dimensions weighing surface (W×D)	134×127 mm
Dimensions weighing surface	134×127 mm
Dimensions weighing platform (W×D×H)	130×125×10 mm
Material housing	plastic
Material weighing plate	plastic
Material platform	plastic
Material display housing	plastic

Functions	
IP protection - complete device	-
Capacity - Display	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 1 min 30 sec
Tare function	manual (multi)
Number of keys for operation	2

Power Supply	
Supplied power supply	Battery
Power supply type	Power adapter
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	6 V, 1 A

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Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Alkali(-Manganese)
Battery	4×1.5 V AA
Battery connection	Pad + Spring
Battery operating time	200 h
Battery capacity	2.700 mAh
Battery voltage	6 V
Battery – Number of cells	4
Battery – Individual weight	22,6 g
Battery – Total weight	90,4 g
Battery capacity (Wh)	4,05 Wh
Battery – Lithium content	0 g
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	40 °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)	255×200×70 mm
Shipping method	Parcel service
Net weight approx.	0,45 kg
Gross weight approx.	0,60 kg
Shipping weight	0,7 kg
Shipping volume weight	0,7 kg

Product information

GTIN/EAN number	4045761252950
Trade number	90160010
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

