

KERN EMB 500-1SS05

KERN

The space miracle – stackable school balance for experiment-based teaching



Category

Brand	KERN
Product category	Laboratory balance
Product group	School balance
Product family	EMB-S

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	± 0,3 g
Reproducibility	0,2 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	2,5 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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Display

Display type	LCD
Display screen size	55×23 mm
Display backlight	no
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	145×205×45 mm
Material housing	plastic
Material weighing plate	plastic
Dimensions weighing surface (Ø)	120 mm

Functions

Number of keys for operation	2
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Capacity - Display	✓
Tare function	manual (multi)
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 charging time	10 h
Rechargeable battery operating time - backlight off	50 h
Battery	2×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery voltage	15 V
Battery operating time	35 h

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	210×267×89 mm

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Net weight	2 kg
Shipping method	Parcel service
Net weight approx.	2,0 kg
Gross weight approx.	2,6 kg
Shipping weight	2,5 kg

Services (optional)

Article number for adjustment at the location of installation	961-247S05
Article number for DAkkS calibration	963-127S05.
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

