

KERN EMB 1000-2

KERN

Entry level laboratory balance with tremendous weighing performance



Date of creation: 19.06.2026

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	1000 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,05 g
Resolution	100.000
Tare range	1000 g

Adjustment options	Adjusting with external weight
Recommended adjusting weight	1 kg (F2)
Possible calibration points	1 kg
Stabilization time	2,5 s
Eccentric loading at 1/3 [Max]	0,05 g
Construction type of the scale	Single-range balance

Units	g
	dwt
	ozt
	oz
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

Display

Display type	LCD
Display backlight	no

Display screen size	58×18 mm
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	170×244×39 mm
Dimensions weighing surface (Ø)	150 mm
Dimensions weighing surface	150 mm
Material housing	plastic
Material weighing plate	plastic

Functions

Underfloor weighing	Hook (included in delivery)
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
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 device / power [Max]	9 V, 300 mA
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery connection	Pad + Spring
Battery operating time	16 h
Battery capacity	680 mAh
Battery voltage	18 V
Battery - Number of cells	2
Battery - Individual weight	36,5 g
Battery - Total weight	73 g
Battery - Construction	Individual cells
Battery capacity (Wh)	4,95 Wh
Battery - Lithium content	0 g
Rechargeable battery	KS-A01
Rechargeable battery operating time - backlight off	50 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional
Battery/Accu connected	not connected, enclosed

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Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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Services (optional)

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)	220×290×150 mm
Shipping method	Parcel service
Net weight approx.	0,90 kg
Gross weight approx.	1,4 kg
Shipping weight	1,9 kg
Shipping volume weight	1,9 kg

Product information

GTIN/EAN number	4045761098053
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

