

KERN EMS 12K0.1

KERN

Entry level model in the low-cost range with large weighing plate



Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	12000 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	120.000
Tare range	12000 g

Adjustment options Adjusting with external weight

Recommended adjusting weight 12 kg (F2)

Possible calibration points 12 kg

Stabilization time 3 s

Warm-up time 120 min

Eccentric loading at 1/3 [Max] 0,5 g

Construction type of the scale Single-range balance

Units g
dw
oz
ozt

Maximum creep (15 minutes) 1 g

Maximum creep (30 minutes) 2 g

Default unit g

Display

Display type LCD

Display backlight	no
Display digit height	25 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	200×280×65 mm
Dimensions weighing surface (W×D)	175×190 mm
Dimensions weighing surface	175×190 mm
Material housing	plastic
Material weighing plate	plastic
Material display housing	plastic

Functions

Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Counting function	✓
Counting resolution (laboratory conditions)	60.000
Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	5, 10, 20, 25, 50
IP protection - complete device	-
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Number of keys for operation	5

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø inside 2,1 mm, Ø outside 5,5 mm, long 12 mm
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery connection	9V Bloc
Battery operating time	40 h

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Rechargeable battery operating time - backlight off	50 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Min]	40 %
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	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	315×235×160 mm
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,0 kg
Shipping weight	2,4 kg

Product information

GTIN/EAN number	4045761124417
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

