

KERN EMS 6K0.1

KERN

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



Date of creation: 19.06.2026

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	60.000
Tare range	6000 g

Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F2)
Possible calibration points	6 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,5 g
Construction type of the scale	Single-range balance

Units	g
	dwt
	ozt
	oz
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)	30.000
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 & battery function (battery not included)
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)	235×310×160 mm
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,8 kg
Shipping weight	2,3 kg
Shipping volume weight	2,3 kg

Product information

GTIN/EAN number	4045761124431
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

