

# 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

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	12000 g
Readability [d]	0,1 g
Resolution	120.000
Linearity	± 0,3 g
Reproducibility	0,1 g
Tare range	12000 g
Default unit	g

## Units

g  
dwt  
ozt  
oz

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
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

## Zulassung

CE mark	✓
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## 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
Material display housing	Plastics
Material housing	plastic
Material weighing plate	plastic
Dimensions weighing surface (W×D)	175×190 mm

## Functions

Number of keys for operation	5
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Recipe/summing level	Rez A (Net total)
IP protection - complete device	-

## Counting

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
Counting resolution (laboratory conditions)	60.000

## Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery operating time - backlight off	50 h
Battery	9 V block
Battery / accumulator type	Alkali(-Manganese)

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Battery connection 9V Bloc

Battery operating time 40 h

## 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

## Packing & Shipping

Readability force [d] (N) 1 d

Dimensions packaging (W×D×H) 315×235×160 mm

Net weight 1,45 kg

Shipping method Parcel service

Net weight approx. 1,6 kg

Gross weight approx. 2,0 kg

Shipping weight 2,4 kg

## Services (optional)

Article number for DAkkS calibration 963-128

Article number for certificate of conformity (verification) 969-517

## Pictograms

### STANDARD



### OPTION

