

KERN EMB 100-3

KERN

Entry level laboratory balance with tremendous weighing performance



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	100 g
Readability [d]	0,001 g
Resolution	100.000
Linearity	± 0,005 g
Reproducibility	0,001 g
Tare range	100 g
Default unit	g

Units	g
	dwt
	ozt
	oz

Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (F1)
Possible calibration points	100 g
Stabilization time	2,5 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Approval

CE mark	✓
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Display

Display type	LCD
Display screen size	58×18 mm
Display backlight	no
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	170×244×54 mm
Dimensions ring-shaped draught shield - inner (Ø×H)	96×35 mm
Dimensions ring-shaped draught shield - outer (Ø×H)	105×35 mm
Dimensions completely mounted (W×D×H)	170×240×92 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	plastic, with conductive lacquer
Material draught shield	plastic
Dimensions weighing surface (Ø)	82 mm

Functions

Number of keys for operation	2
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
IP protection - complete device	-

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	Battery
Plug-in power supply / adapter for countries - optional	EURO
	UK
	US
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight off	50 h
Battery	9 V block
Battery / accumulator type	Alkali(-Manganese)

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Battery connection	Pad + Spring
Battery voltage	9 V
Battery operating time	12 h

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	220×290×147 mm
Net weight	0,83 kg
Shipping method	Parcel service
Net weight approx.	0,85 kg
Gross weight approx.	1,4 kg
Shipping weight	1,9 kg

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

