

KERN EMB 100-3

Entry level laboratory balance with tremendous weighing performance



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

Functions

Underfloor weighing	Hook (included in delivery)
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	2

Power Supply

Supplied power supply	Battery
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - optional	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
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery connection	Pad + Spring
Battery operating time	12 h
Battery voltage	9 V
Rechargeable battery	KS-A01
Rechargeable battery operating time - backlight off	50 h

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
Reproducibility	0,001 g
Linearity	± 0,005 g
Resolution	100.000
Tare range	100 g
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
Default unit	g
Units	g dwt ozt oz

Display

Display type	LCD
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Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional

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	✓

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)	220×290×147 mm
Shipping method	Parcel service
Net weight approx.	0,85 kg
Gross weight approx.	1,4 kg
Shipping weight	1,9 kg

Pictograms

STANDARD



OPTION

