

PRODUCT BROCHURE

KERN EMB 3000-1

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ENGLISH



Entry level laboratory balance with tremendous weighing performance

CONTACT

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DESCRIPTION

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- Hook for underfloor weighing standard
- Note: With the optional auxiliary set for density determination KERN YDB-04 also well suited for school and teaching operation, see accessories

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	EMB 3000-1
Model-Serie	EMB
Assortment	KERN
Product Type	Laboratory balances
Product group	School balances
Product usage type	Main article
EAN code (Model)	404576 1133105
Customs tariff number	84238 129
CE Label	yes

Technical data - Primary

Weighing capacity	3000 g
Readability	0.1 g
Repeatability	0.1 g
Linearity	± 0.3 g
Weighing surface (d)	150 mm
Recommended adjusting weight	3 kg (M1)

Technical data - Construction

Dimensions of housing	170×245×39 mm
Material weighing plate	plastic
Casing material	plastic
Weighing surface (d)	150 mm

Technical data - Display

Display height	15 mm
Backlight	no

Technical data - Power supply

Battery	9 V Block
Operating time	16 h

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.3 g
Readability	0.1 g

Recommended adjusting weight 3 kg (M1)

Repeatability 0.1 g

Stabilisation time under laboratory conditions 3 s

Tare range 3000 g

Warm up time 120 min

Weighing system Strain gauge

Weighing units dwt;g;oz;ozt

Technical data - Environmental conditions

Maximum humidity 80 %

Maximum operating temperature 35 °C

Minimum ambient temperature 5 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 265×207×116 mm

Gross weight 0.70 kg

Net weight 0.55 kg

Shipping method Parcel service

Packaging component - by weight - cardboard 720 g

Packaging component - by weight - plastics 5 g

Packaging component - by weight - styrofoam 98 g

Packaging component - by weight - foam 23 g

Delivery time 1 d

Optional Services

DAkkS Calibration 963-127

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
440-902	Power supply KERN 440-902
470-902-003	Power supply KERN 470-902-003
KS-A01	Rechargeable battery pack external KS-A01
YKA-03N	Power Adapter KERN YKA-03N

SERVICES

Model	Description
963-127	DAkkS Calibration KERN 963-127
961-247	Adjustment at the location of installation 961-247
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-012	Warranty extension KERN (+2 years) 970-012

SPARE PARTS

Model	Description
440-902	Power supply KERN 440-902
470-902-003	Power supply KERN 470-902-003
REMB-8001	Battery compartment cover REMB-8001
REMB-6002	Weighing plate KERN REMB-6002
REMB-2001	Keyboard PCB REMB-2001
REMB-4008	Display overlay REMB-4008

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 200-2	200 g	0.01 g	0.01 g	± 0.02 g	105 mm	200 g (M1)
EMB 2200-0	2200 g	1 g	1 g	± 2 g	150 mm	2 kg (M1)
EMB 5.2K5	5200 g	5 g	5 g	± 10 g	150 mm	5 kg (M1)
EMB 1200-1	1200 g	0.1 g	0.1 g	± 0.3 g	150 mm	1 kg (M1)
EMB 5.2K1	5200 g	1 g	1 g	± 3 g	150 mm	5 kg (M1)
EMB 100-3	100 g	0.001 g	0.001 g	± 0.005 g	82 mm	100 g (F1)
EMB 1000-2	1000 g	0.01 g	0.01 g	± 0.05 g	150 mm	1 kg (F1)

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 600-2	600 g	0.01 g	0.01 g	± 0.03 g	105 mm	500 g (F2)
EMB 500-1	500 g	0.1 g	0.1 g	± 0.2 g	150 mm	500 g (M1)
EMB 200-3V	200 g	0.001 g	0.002 g	± 0.005 g	82 mm	200 g (F1)
EMB 3000-1	3000 g	0.1 g	0.1 g	± 0.3 g	150 mm	3 kg (M1)
EMB 500-1BE	500 g	0.1 g	0.1 g	± 0.2 g	150 mm	500 g (M1)
EMB 2000-2V	2000 g	0.01 g	0.02 g	± 0.05 g	150 mm	2 kg (F1)
EMB 6000-1	6000 g	0.1 g	0.1 g	± 0.3 g	150 mm	5 kg (M1)
EMB 200-3	200 g	0.001 g	0.001 g	± 0.005 g	82 mm	200 g (F1)
EMB 2000-2	2000 g	0.01 g	0.01 g	± 0.05 g	150 mm	2 kg (F1)