

PRODUCT BROCHURE

**KERN
EMB 100-3**

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ENGLISH**Image not
available**

Entry level laboratory balance with tremendous weighing performance

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PRODUCT SHOWCASE



DESCRIPTION

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- Ring-shaped draught shield standard, weighing space $\varnothing \times H$ 96×35 mm
- 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 100-3
Model-Serie	EMB
Assortment	KERN
Product Type	Laboratory balances
Product group	School balances
Product usage type	Main article
EAN code (Model)	4045761098060

Customs tariff number 90160010

IsKERNReferenceArticle NonMandatory False

Technical data - Primary

Weighing capacity	100 g
Readability	0.001 g
Repeatability	0.001 g
Linearity	± 0.005 g
Weighing surface (d)	82 mm

Recommended adjusting weight 100 g (F1)

Technical data - Construction

Dimension housing (W×D×H)	170×244×54 mm
Material weighing plate	plastic, with conductive lacquer
Casing material	plastic
Dimensions draft shield, inner (Ø×H)	96×35 mm
Dimensions draft shield, outer (Ø×H)	105×35 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
Stabilisation time under laboratory conditions	2.5 s
Tare range	100 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)	220×290×147 mm
Gross weight	1.4 kg
Net weight	0.85 kg
Shipping method	Parcel service
Packaging component - by weight - paper	18 g
Packaging component - by weight - cardboard	890 g
Packaging component - by weight - plastics	6 g
Packaging component - by weight - styrofoam	111 g
Packaging component - by weight - wood	202 g
Delivery time	1 d

Optional Services

DAkkS Calibration	963-127
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FUNCTIONS

Standard
Option

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ACCESSORIES

Model	Description
440-902	Power supply KERN 440-902
KS-A01	Rechargeable battery pack external KS-A01
470-902-003	Power supply KERN 470-902-003
326-07	Test Weight KERN 326-07
YKA-03N	Power Adapter KERN YKA-03N
YDB-04	Set for Density Determination KERN YDB-04
315-307-303	Safety Set KERN 315-307-303

SERVICES

Model	Description
970-014	Warranty extension KERN (+3 years) 970-014
963-127	DAkkS Calibration KERN 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

SPARE PARTS

Model	Description
REMB-4002	Display overlay REMB-4002
440-902	Power supply KERN 440-902
REMB-8001	Battery compartment cover REMB-8001
REMB-V-8002	REMB-V-8002
REMB-2001	Keyboard PCB REMB-2001
470-902-003	Power supply KERN 470-902-003
R440-000-13-001	DC socket R440-000-13-001
REMB-6003	Weighing plate KERN REMB-6003
RPCB-8007	Draft shield KERN RPCB-8007

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 500-1BE	500 g	0.1 g	0.1 g	± 0.2 g	150 mm	500 g (M1)

Model name	Weighing capacity	Readability	Repeatability	Linearity	Weighing surface (d)	Recommended adjusting weight
EMB 2000-2V	2000 g	0.01 g	0.02 g	± 0.05 g	150 mm	2 kg (F1)
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)
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 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)
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)

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