PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN EMB 500-1

Entry level laboratory balance with tremendous weighing performance

ENGLISH



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FEATURES

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- Hook for underfloor weighing standard
- Also available as KERN EMB 500-1BE Black Edition
- Note: With the optional auxiliary set for density determination KERN YDB-04 also well suited for school and teaching operation, see accessories

TECHNICAL DATA

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic, ⌀ 150 mm
- Battery operation, 9 V block standard, operating time up to 35 h
- Overall dimensions 170×244×39 mm
- Net weight approx. 0,55 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

As School Balance
- Teaching and training
- educational institutions
- Cosmetics industry
- Quality assurance

As Small Pet Scale
- Weighing small animals
- Breeding small animals

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
EMB 100-3	100 g	0,001 g	0,001 g	± 0,005 g	82 mm
EMB 200-2	200 g	0,01 g	0,01 g	± 0,02 g	105 mm
EMB 200-3	200 g	0,001 g	0,001 g	± 0,005 g	82 mm
EMB 500-1	500 g	0,1 g	0,1 g	± 0,2 g	150 mm
EMB 500-1BE	500 g	0,1 g	0,1 g	± 0,2 g	150 mm
EMB 600-2	600 g	0,01 g	0,01 g	± 0,03 g	105 mm
EMB 1000-2	1000 g	0,01 g	0,01 g	± 0,05 g	150 mm
EMB 1200-1	1200 g	0,1 g	0,1 g	± 0,3 g	150 mm
EMB 2000-2	2000 g	0,01 g	0,01 g	± 0,05 g	150 mm
EMB 2200-0	2200 g	1 g	1 g	± 2 g	150 mm
EMB 3000-1	3000 g	0,1 g	0,1 g	± 0,3 g	150 mm
EMB 5.2K1	5200 g	1 g	1 g	± 3 g	150 mm
EMB 5.2K5	5200 g	5 g	5 g	± 10 g	150 mm
EMB 6000-1	6000 g	0,1 g	0,1 g	± 0,3 g	150 mm

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ACCESSORIES

Model	Description
315-409-405	Safety set 315-409-405, included weight 20 g (M1); 500 g (M1)
347-09	Test weight 347-09 (OIML Class M1, Nominal value 500 g, Knob, stainless steel fine turned)
KS-A01	Battery - external KS-A01
YKA-03N	Power adapter YKA-03N (9 V, 300 mA | 100 V - 240 V, 50 / 60 Hz | EURO, UK, US, CH)

SERVICES

Model	Description
961-247	Adjustment at the location of installation 961-247 (Not in combination with verification)
963-127	DAkkS calibration certificate 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-011	Warranty extension (+3 years) 970-011

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	Units can be switched to e.g. non-metric units
	Suspended weighing: Load support with hook on the underside of the balance
	Battery operation: Ready for battery operation
	Weighing principle Strain gauges: Electrical resistor on an elastic deforming body
	Package shipment by courier service: The duration of internal product provision is one day
	Rechargeable battery pack: Rechargeable set
	Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days

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