PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN EMS 300-3

Entry level model in the low-cost range with large weighing plate

ENGLISH



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APPLICATION EXAMPLE



FEATURES

- Especially suitable for use in schools and universities, for example for biology, chemistry, physics
- Large, shock proof weighing plate made of plastic, with conductive lacquer
- Particularly flat design
- Ergonomically optimised key pad with large keys and a high-contrast LCD display
- Secure and non-slip positioning with rubber feet
- Draught shield standard, weighing space W×D×H 145×145×65 mm
- CAL adjustment program for adjusting precision, external test weights available separately

TECHNICAL DATA

- Large LCD display, digit height 25 mm
- Dimensions weighing surface, plastic, with conductive lacquer, ⌀ 105 mm
- Overall dimensions 200×280×65 mm
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 40 h
- Mains adapter external, standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

As School Balance

- Teaching and training
- educational institutions
- Standard laboratory analyses
- 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
EMS 300-3	300 g	0,001 g	0,002 g	± 0,005 g	105 mm
EMS 3000-2	3000 g	0,01 g	0,02 g	± 0,05 g	175×190 mm
EMS 6K0.1	6000 g	0,1 g	0,1 g	± 0,3 g	175×190 mm
EMS 6K1	6000 g	1 g	1 g	± 3 g	175×190 mm
EMS 12K0.1	12000 g	0,1 g	0,1 g	± 0,3 g	175×190 mm
EMS 12K1	12000 g	1 g	1 g	± 3 g	175×190 mm

ACCESSORIES

Model	Description
315-208-304	Safety set 315-208-304, included weight 10 g (F2); 200 g (F1)
KS-A01	Battery - external KS-A01

SERVICES

Model	Description
963-127	DAkkS calibration certificate 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

Model	Description
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Sum function: The weight values of weighed items can be added together and the total printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	Battery operation: Ready for battery operation
	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
	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
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days

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