PROFESSIONAL MEASURING
SINCE 1844

KERN

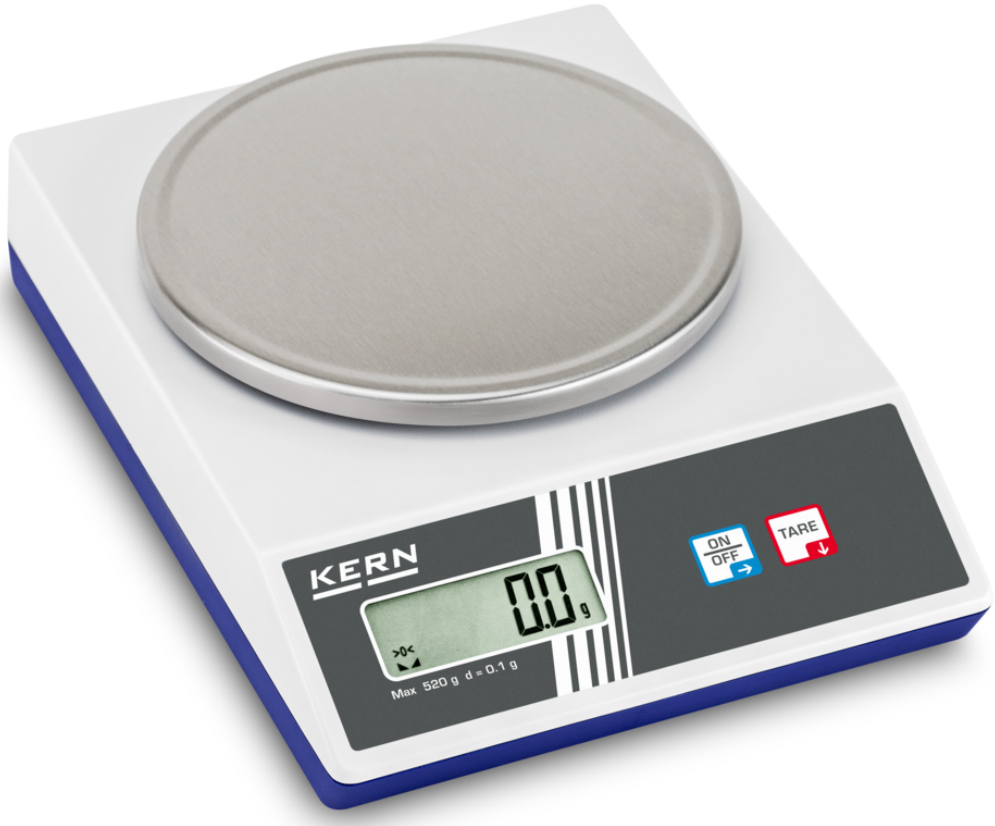
Product brochure

04.07.2026

KERN EIB 500-1

Compact balance for school and industry

ENGLISH



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FEATURES

- Simple and convenient 2-key operation, making them ideal for use in schools and universities
- Weighing plate with stainless steel surface, hygienic and easy to clean, suitable for weighing organic substances
- ESD drain: Statically charged weighed goods, e.g. plastic parts, are discharged in a controlled way to reduce interfering effects on the weighing results
- Particularly flat design
- Secure and non-slip positioning with rubber feet
- Ready for use: Batteries for mobile use included, can also be powered over USB-C
- Packaging made of biodegradable materials

TECHNICAL DATA

- Large LCD display, digit height
- Dimensions weighing surface, stainless steel, plastic, ⌀ 150 mm
- Overall dimensions 170×235×50 mm
- Battery operation, 4×1.5 V AA standard, operating time up to 75 h. Integrated AUTO-OFF function to preserve the batteries
- Net weight approx. 0,75 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Schools
- Universities
- Light industrial applications

PICTOGRAMS

Standard

Option

MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
EIB 500-1	520 g	0,1 g	0,1 g	± 0,2 g	150 mm
EIB 1000-1	1200 g	0,1 g	0,1 g	± 0,3 g	150 mm
EIB 2000-0	2200 g	1 g	1 g	± 2 g	150 mm

ACCESSORIES

Model	Description
347-09	Test weight 347-09 (OIML Class M1, Nominal value 500 g, Knob, stainless steel fine turned)
FS-E06	USB 3.0 cable FS-E06
FS-E07	Power supply unit EURO FS-E07

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
	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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