PROFESSIONAL MEASURING
SINCE 1844

KERN

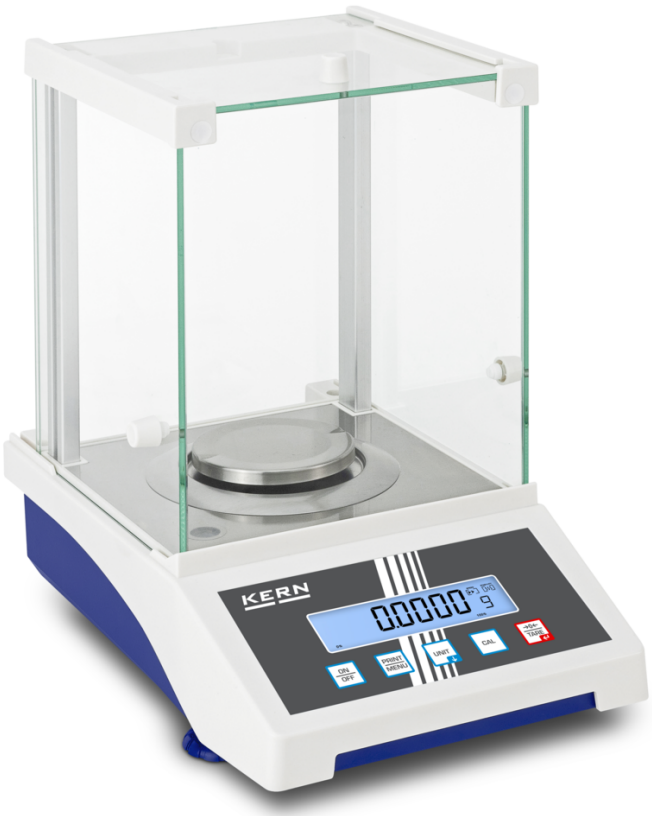
Product brochure

31.10.2026

KERN AXE 100-4

Entry level analytical balance with compact housing and internal adjustment

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com





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FEATURES

- Very fast display: steady weight values within 3 s
- Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- Simple and convenient 5-key operation
- Large glass draught shield, standard, Weighing space W×D×H 175×150×205 mm
- Main scope of applications:
  - Jewellery industry
  - Quality laboratories
  - Schools and universities

TECHNICAL DATA

- Large backlit LCD display, digit height 16 mm
- Dimensions weighing surface, stainless steel, ø 80 mm
- Permissible ambient temperature 15 °C/25 °C

MAIN SCOPE OF APPLICATIONS

- Universities
- Schools
- Training
- Laboratories
- Quality control

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
AXE 100-4	120 g	0,0001 g	0,0005 g	± 0,0007 g	80 mm
AXE 200-4	220 g	0,0001 g	0,0005 g	± 0,0007 g	80 mm

ACCESSORIES

Model	Description
316-07	Test weight 316-07 (OIML Class E2, Nominal value 100 g, Compact form, stainless steel polished)
ABP-A01	Ioniser ABP-A01
ABS-A08	Protective dust cover ABS-A08
MLB-A05	RS232 interface cable MLB-A05
YBI-01A	Ioniser YBI-01A
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03
YPS-04	Anti-vibration plate KERN YPS-04 (400×450×60 mm, 30 kg)
YPS-05	Anti-vibration plate KERN YPS-05 (565×450×60 mm, 42 kg)

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
963-101	DAkkS calibration certificate 963-101
965-411	Assembly of components 965-411 (< 50kg)

Model	Description
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-102	Warranty extension (+2 years) 970-102

KERN Pictogram Overview

	Internal adjustment: Adjusting accuracy using internal adjustment weight
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Net total: The weight values of the recipe ingredients can be added up and the total weight of the recipe printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	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 electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings
	Package shipment by courier service: The duration of internal product provision is one day
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days

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