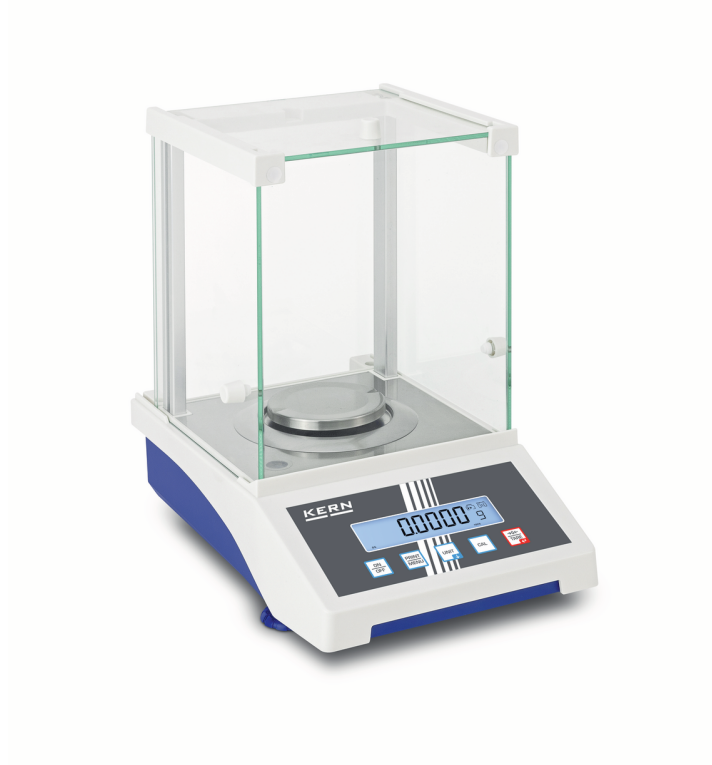


PRODUCT BROCHURE

KERN AXE 100-4

Date: 18.03.2025

ENGLISH



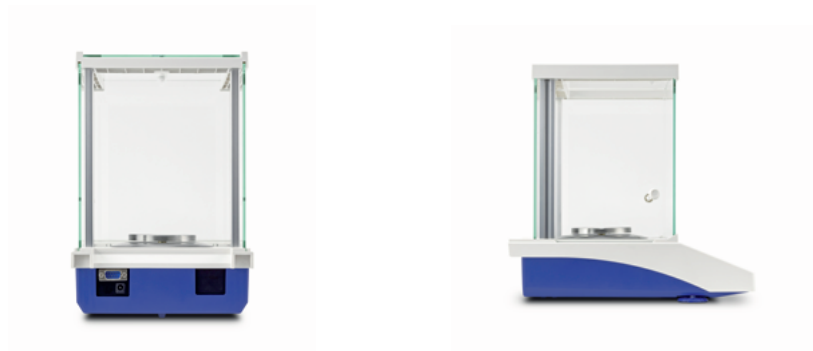
Entry level analytical balance with compact housing and internal adjustment

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- 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
- The main scope of applications is:
 - Jewellery industry
 - Quality laboratories
 - Schools and universities

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	AXE 100-4
Model-Serie	AXE
Assortment	KERN
Product Type	Laboratory balances
Product group	Analytical balances
Product usage type	Main article
EAN code (Model)	4045761478923

Customs tariff number 90160010

CE Label yes

Technical data - Primary

Weighing capacity	120 g
Readability	0.0001 g
Repeatability	0.0002 g
Linearity	± 0.0003 g

Technical data - Construction

Dimensions draft shield, inner (W×D×H)	180×175×200 mm
Dimensions draft shield, outer (W×D×H)	195×300×295 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	ABS plastic
Weighing space (W×D×H)	175×150×205 mm

Technical data - Display

Display height	16 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	CH;EURO;UK;US
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Mains adapter	Power supply unit

Technical data - Measuring system

Calibration method	Internal calibration (automatic)
Linearity	± 0.0003 g
Minimum weight (USP)	400 mg
Readability	0.0001 g
Recommended adjusting weight	100 g (E2)
Repeatability	0.0002 g

Stabilisation time under laboratory conditions	3 s
Tare range	120 g
Warm up time	8 h
Weighing system	Force compensation
Weighing units	ct;g;mg;oz

Technical data - Environmental conditions

Maximum humidity	85 %
Maximum operating temperature	25 °C
Minimum ambient temperature	15 °C
Minimum humidity	20 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	320×430×415 mm
Gross weight	8 kg
Net weight	5 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	1911 g
Packaging component - by weight - plastics	29 g
Packaging component - by weight - glass	0 g
Packaging component - by weight - wood	0 g
Packaging component - by weight - foam	100 g
Delivery time	1 d

Technical data - Counting data

Counting resolution 120000

Minimum piece weight at
piece counting
(Laboratory) 1 mg

Minimum piece weight 10 mg

Optional Services

DAkkS Calibration 963-101

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
911-013	Matrix needle printer KERN 911-013
316-07	Test Weight KERN 316-07
ABS-A08	Protective Dust Cover KERN ABS-A08
YBI-01A	Ioniser KERN YBI-01A
ABP-A01	Ioniser KERN ABP-A01
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
MLB-A05	Interface cable MLB-A05
YPS-03	Antivibration table YPS-03

Model	Description
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
YKC-01	Thermal printer KERN YKC-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
965-411	Assembly of components (< 50kg) 965-411
963-101	DAkkS Calibration KERN 963-101
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-102	Warranty extension KERN (+2 years) 970-102

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity
AXE 100-4	120 g	0.0001 g	0.0002 g	± 0.0003 g
AXE 200-4	220 g	0.0001 g	0.0002 g	± 0.0003 g
AXS 100-4	120 g	0.0001 g	0.0002 g	± 0.0003 g
AXS 200-4	220 g	0.0001 g	0.0002 g	± 0.0003 g