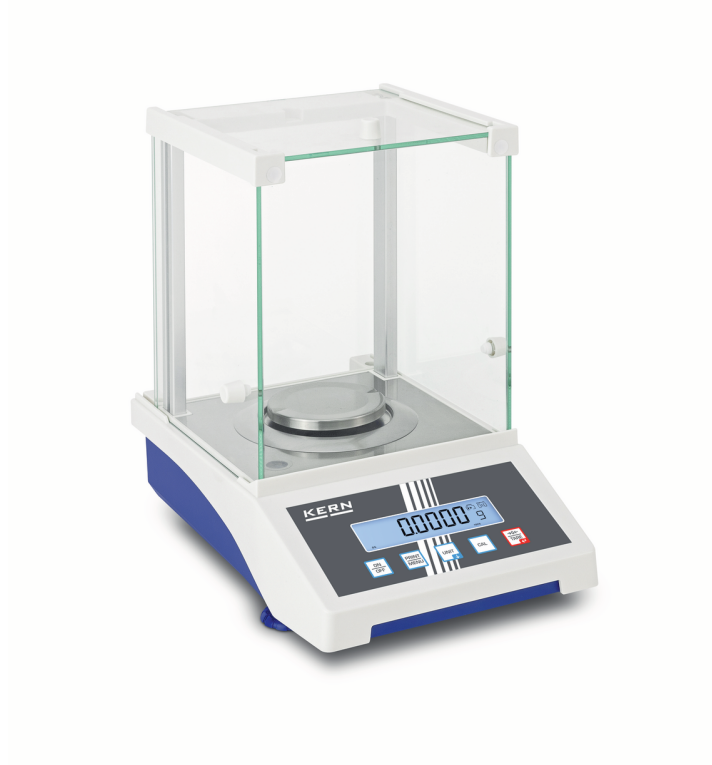


PRODUCT BROCHURE

KERN AXS 100-4

Date: 18.03.2025

ENGLISH



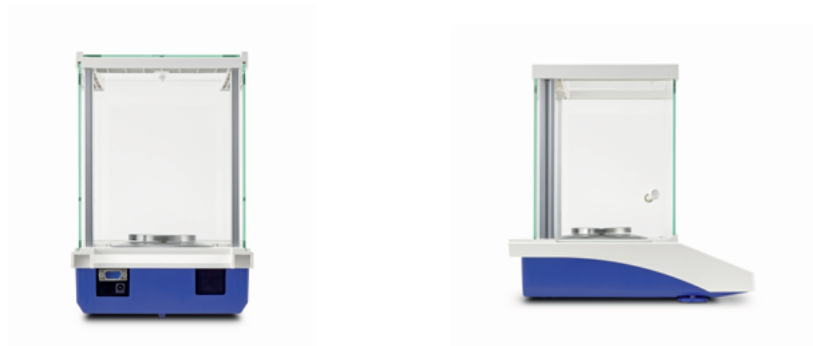
Entry level analytical balance with compact housing and external adjustment

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- Very fast display: steady weight values within 3 s
- Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price
- 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	AXS 100-4
Model-Serie	AXE
Assortment	KERN
Product Type	Laboratory balances
Product group	Analytical balances
Product usage type	Main article
EAN code (Model)	404576 1478930
Customs tariff number	90160010

CE Label	yes
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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
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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/adaptor 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 Adjusting with external weight

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)

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
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
YKC-01	Thermal printer KERN YKC-01

Model	Description
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
970-101	Warranty extension KERN (+2 years) 970-101

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