

PRODUCT BROCHURE

KERN ABJ 220-4NM

Date: 28.04.2025

ENGLISH



The bestseller in analytical balances, with high-quality single-cell weighing system

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PRODUCT SHOWCASE



DESCRIPTION

- Automatic internal adjustment in the case of a change in temperature = 2 °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Automatic data output to the PC/printer each time the balance is steady
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	ABJ 220-4NM
Model-Serie	ABJ
Assortment	KERN
Product Type	Laboratory balances
Product group	Analytical balances
Product usage type	Main article
EAN code (Model)	4045761145337

Successor Model ACJ 200-4M

Customs tariff number 90160010

CE Label yes

Technical data - Primary

Weighing capacity	220 g
Readability	0.0001 g
Repeatability	0.0002 g
Linearity	± 0.0003 g

Technical data - Construction

Dimensions draft shield, inner (W×D×H)	201×220×256 mm
Dimensions draft shield, outer (W×D×H)	213×333×338 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	cast aluminium, plastic
Weighing space (W×D×H)	174×162×227 mm

Technical data - Display

Display height	14 mm
Backlight	no

Technical data - Power supply

Mains adapter/adapter included	AUS;CH;EURO;UK;US
Input Voltage	110 V - 230 V AC
Mains adapter	Power supply unit

Technical data - Measuring system

Calibration method	Internal calibration (automatic);Adjusting with internal weight (manual)
Linearity	± 0.0003 g
Minimum weight (USP)	400 mg
Readability	0.0001 g
Repeatability	0.0002 g

Stabilisation time under laboratory conditions 3 s

Warm up time	8 h
Weighing system	Single-Cell
Weighing units	ct;g;mg
Carat - max capacity	1100 ct
Carat - readout	0.001 ct

Technical data - Environmental conditions

Maximum humidity	85 %
Maximum operating temperature	30 °C
Minimum ambient temperature	10 °C
Minimum humidity	20 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	390×560×520 mm
Gross weight	10 kg
Net weight	7 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	1805 g
Packaging component - by weight - plastics	30 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 220000

Minimum piece weight at
piece counting
(Laboratory) 1 mg

Minimum piece weight 10 mg

Optional Services

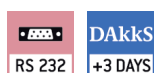
DAkkS Calibration 963-101

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
911-013	Matrix needle printer KERN 911-013
ACS-A01	Data Interface KERN ACS-A01
ACS-A02	Protective Working Cover KERN ACS-A02
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
YDB-03	Set for Density Determination KERN YDB-03
ABS-A08	Protective Dust Cover KERN ABS-A08
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02

Model	Description
AEJ-A05	Precious Stones Plate KERN AEJ-A05
ACS-A02S05	Protective Working Cover KERN ACS-A02S05
YBI-01A	Ioniser KERN YBI-01A
ABP-A01	Ioniser KERN ABP-A01
AFH 13	Converter KERN AFH 13
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
315-108-104	Safety Set KERN 315-108-104
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
970-107	Warranty extension KERN (+2 years) 970-107

SPARE PARTS

Model	Description
ACS-A02	Protective Working Cover KERN ACS-A02
RACS-6001	Weighing plate KERN RACS-6001
RABT-6003	Rubber shock absorber RABT-6003
RABS-9001	Lever arm: RABS-9001
RACJ-2001	Adjustment control KERN RACJ-2001
RACS-2002	Optional calibration, see page Calibration is recommended for each measuring cell! Assembly and adjustment of measuring cell, connector and sensors must be ordered separately, see table below, SAUTER RACS-2002
RACS-2003	Power supply PCB RACS-2003
RACS-2005	Keyboard PCB KERN RACS-2005

Model	Description
RACS-4006	Keyboard overlay KERN RACS-4006
RACS-8001	Adjustable base foot RACS-8001
RACS-8002	Level bubble RACS-8002
RACS-8005	Windbreak glass KERN RACS-8005
RACS-8007	Metal plate: High accuracy of measurement due to the level metal plateRACS-8007
RACS-8008	Display protective plate RACS-8008
RACS-2001	Main PCB RACS-2001
RACS-6004	Draft shield KERN RACS-6004
RACS-8006	Metal plate: High accuracy of measurement due to the level metal plateRACS-8006
RACS-6002	Weighingplate carrier KERN RACS-6002
RACS-8003	Windbreak glass RACS-8003
RACS-8004	Windbreak glass KERN RACS-8004
RABS-9002	Locating pin, locating pin / service tool, for series ABS/ABJ KERN RABS-9002
YKA-42	Power Adapter KERN YKA-42
RACS-2006	Main PCB KERN RACS-2006
RACS-3001	LCD Display KERN RACS-3001

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
ABJ 220-4NM	220 g	0.0001 g	0.0002 g	± 0.0003 g