

KERN ABT 120-4NM

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ENGLISH



The premium model with single-cell weighing system

CONTACT

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PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- Automatic internal adjustment in the case of a change in temperature = 0.5 °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
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Printout of a GLP-compliant calibration report conveniently at the touch of a button
- Automatic data output to the PC/printer each time the balance is steady
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed
- Protective working cover included with delivery

SPECIFICATION

Article codes, product groups & Status information

Model article-code	ABT 120-4NM
Model-Serie	ABT
Assortment	KERN
Product Type	Laboratory balances
Product group	Analytical balances
Product usage type	Main article
EAN code (Model)	4045761185524
Planned start date	2016-2HJ
Customs tariff number	90160010
Discontinued model	yes

Technical data - Primary

Weighing capacity	120 g
Readability	0.0001 g
Repeatability	0.0001 g
Linearity	± 0.0002 g
Verification value (e)	0.001 g
Minimum load (Min)	0.01 g

Technical data - Construction

Dimensions draft shield, inner (W×D×H)	200×240×260 mm
Dimensions draft shield, outer (W×D×H)	217×356×338 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	metal

Weighing space (W×D×H)	168×172×223 mm
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Technical data - Display

Display height	14 mm
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Technical data - Power supply

Mains adapter/adaptor included	AUS;CH;EURO;UK;US
Input Voltage	220 V - 240 V AC, 50 Hz
Mains adapter	Power supply unit

Technical data - Measuring system

Calibration method	Internal calibration (automatic); Adjusting with internal weight (manual)
Linearity	± 0.0002 g
Minimum weight (USP)	200 mg
Readability	0.0001 g
Repeatability	0.0001 g
Stabilisation time under laboratory conditions	4 s
Tare range	120 g
Warm up time	8 h
Weighing system	Single-Cell
Weighing units	ct;g
Carat - max capacity	600 ct
Carat - readout	0.001 ct

Technical data - Environmental conditions

Maximum humidity	80 %
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Maximum operating temperature 30 °C

Minimum ambient temperature 10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 590×400×540 mm

Gross weight 12 kg

Net weight 7 kg

Shipping method Parcel service

Packaging component - by weight - paper 165 g

Packaging component - by weight - cardboard 4805 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 120000

Minimum piece weight at piece counting (Laboratory) 1 mg

Minimum piece weight 10 mg

Technical data - Verification

Verification Value E 0.001 g

Minimum load (Min) 0.01 g

Verification approval conforming to 2014/31/EU yes

Verification by KERN possible yes

Verification class I

Optional Services

DAkkS Calibration 963-101

Verification 965-201

FUNCTIONS

Standard



Option



Factory



ACCESSORIES

Model	Description	Price
770-926	Interface cable 770-926	50.00 €
911-013	Matrix needle printer KERN 911-013	480.00 €
ACS-A01	Data Interface KERN ACS-A01	115.00 €
YKI-01	RS-232 / Ethernet adapter KERN YKI-01	380.00 €
YKN-01	Matrix needle printer KERN YKN-01	310.00 €
YDB-03	Set for Density Determination KERN YDB-03	380.00 €
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02	380.00 €
AEJ-A05	Precious Stones Plate KERN AEJ-A05	43.00 €
ABT-A02S05	Protective Working Cover KERN ABT-A02S05	52.00 €
YBI-01A	Ioniser KERN YBI-01A	950.00 €
YKA-42	Power Adapter KERN YKA-42	85.00 €
AFH 13	Converter KERN AFH 13	105.00 €
YKG-01	Dot Matrix Printer KERN YKG-01	590.00 €
YKH-01	Printer KERN YKH-01	420.00 €
315-107-103	Safety Set KERN 315-107-103	235.00 €
YPS-03	Weighing table YPS-03	990.00 €
YPS-04	Antivibration plate KERN YPS-04	760.00 €
YPS-05	Antivibration plate KERN YPS-05	980.00 €

SERVICES

Model	Description	Price
965-411	Assembly of components (< 50kg) 965-411	80.00 €
963-101	DAkkS Calibration KERN 963-101	191.00 €
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517	21.00 €
970-108	Warranty extension KERN (+2 years) 970-108	475.00 €

SPARE PARTS

Model	Description	Price
RABT-6001	Weighing plate KERN RABT-6001	25.00 €
RABT-4001	Keyboard overlay KERN RABT-4001	28.00 €
RABT-6003	Rubber shock absorber RABT-6003	40.00 €

RABT-8003	Display protective plate RABT-8003	35.00 €
RABT-8006	Windbreak glass RABT-8006	80.00 €
RABT-2001-1	Main PCB RABT-2001-1	150.00 €
RABT-2006	Power supply PCB RABT-2006	70.00 €
RABT-2008	Adjustment control KERN RABT-2008	200.00 €
RABT-6005	Windbreak cover KERN RABT-6005	35.00 €
RABT-6006	Windbreak floor RABT-6006	55.00 €
RABT-8002	Cover RABT-8002	16.00 €
RABT-8005	Lever arm: RABT-8005	28.00 €
RABT-8009	Metal plate: High accuracy of measurement due to the level metal plate RABT-8009	16.00 €
RABT-8010	Metal plate: High accuracy of measurement due to the level metal plate RABT-8010	16.00 €
RABT-6002	Weighingplate carrier KERN RABT-6002	55.00 €
RABT-8008	Windbreak glass KERN RABT-8008	40.00 €
RABT-8013	Mounting KERN RABT-8013	28.00 €
RABT-8014	Mounting KERN RABT-8014	28.00 €
RABT-6004	Windbreak glass KERN RABT-6004	35.00 €
RABT-8004	Metal plate: High accuracy of measurement due to the level metal plate RABT-8004	50.00 €
RABT-8007	Windbreak glass KERN RABT-8007	40.00 €
YKA-42	Power Adapter KERN YKA-42	85.00 €

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Verification value (e)	Minimum load (Min)
ABT 100-5NM	101 g	0.00001 g	0.00005 g	± 0.00015 g	0.001 g	0.001 g
ABT 120-4NM	120 g	0.0001 g	0.0001 g	± 0.0002 g	0.001 g	0.01 g
ABT 120-5DNM	42 g; 120 g	0.00001 g; 0.0001 g	0.00002 g; 0.0001 g	± 0.00003 g; 0.0002 g	0.001 g; 0.001 g	0.001 g
ABT 220-4NM	220 g	0.0001 g	0.0001 g	± 0.0002 g	0.001 g	0.01 g
ABT 220-5DNM	82 g; 220 g	0.00001 g; 0.0001 g	0.00005 g; 0.0001 g	± 0.0001 g; 0.0002 g	0.001 g; 0.001 g	0.001 g
ABT 320-4NM	320 g	0.0001 g	0.00015 g	± 0.0003 g	0.001 g	0.01 g