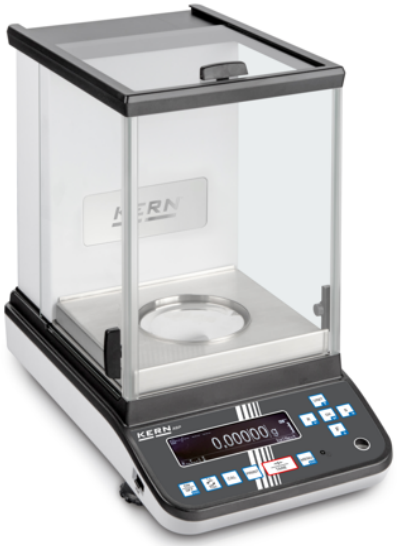
KERN ABP 100-5M

Premium single-range semi-micro balance with unbelievably high resolution and the latest Single-Cell Generation for extremely rapid and stable weighing results



Article codes, product groups & Status information	
Model article-code	ABP 100-5M
Model-Serie	ABP
Assortment	Scales
Segment	Laboratory balances
Product group	Analytical balances
Product usage type	Main article
EAN code (Model)	4045761250314
Planned start date	2022-1HJ
Customs tariff number	90160010
CE Label	Yes
Country of Origin	PH

Technical data - Primary	
Weighing capacity	135 g
Readability	0,00001 g
Repeatability	0,00005 g
Linearity	± 0,0001 g
Verification value (e)	0,001 g
Minimum load (Min)	0,001 g

Technical data - Construction	
Dimensions draft shield, inner (W×D×H)	180×259×221 mm
Dimensions draft shield, outer (W×D×H)	213×367×345 mm
Bubble Level	Yes
Material weighing plate	Stainless steel
Revolving screw feet	Yes
Casing material	Cast aluminium, plastic
Weighing space (W×D×H)	170×132×221 mm

Technical data - Display	
Display height	12 mm
Backlight	LED is self-luminous

Technical data - Power supply	
Mains adapter/adapter included	AUS;CH;EURO;UK;US
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Mains adapter	Power supply unit
Interfaces	RS-232 serienmäßig;USB-Device;USB-Host/Master

Technical data - Measuring system	
Calibration method	Internal calibration (automatic);Adjusting with internal weight (manual)
Linearity	± 0,0001 g
Minimum weight (USP)	100 mg
Readability	0,00001 g
Repeatability	0,00005 g
Stabilisation time under laboratory conditions	8 s

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Tare range	135 g
Warm up time	8 h
Weighing system	Single-Cell
Weighing units	Ct;dwt;ffa;g;g/mol;gn;HTI;m;mg;mom;MTI;oz;ozt;STI
Carat - max capacity	675 ct
Carat - readout	0,0001 ct

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	30 °C
Minimum ambient temperature	10 °C
Minimum humidity	20 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	382×585×535 mm
Gross weight	12 kg
Net weight	8 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	3,315 g
Packaging component - by weight - plastics	30 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	1.350.000
Mininum piece weight at piece counting (Laboratory)	0,1 mg
Minimum piece weight	1 mg

Technical data - Verification

Verification Value E	0,001 g
Minimum load (Min)	0,001 g
Verification by KERN possible	Yes
Verification class	I

Optional Services

DAkkS Calibration	963-101
Verification	965-201

Functions

Standard



Option

DAkkS

Factory

M