KERN **ABP 100-5DAM**

KERN

Premium analytical balance with automatic sliding doors and the latest Single-Cell Generation for extremely rapid, stable weighing results

Automatic adjustment - Standard temperature deviation	1 °C
Automatic adjustment - Standard time interval	4 h
Stabilization time	8 s; 2 s
Warm-up time	8 h; 8 h
Eccentric loading at 1/3 [Max]	0,0001 g; 0,0003 g

Approval

CE mark	✓
Accuracy classe	I
Verification scale interval [e]	0,001 g; 0,001 g
Verification scale interval [e] (ct)	0,01 ct
Conformity assessment possible ex works	✓

Display

Display type	OLED
Display type	OLED
Display backlight	LED is self-luminous
Display digit height	12 mm
Languages of the user interface	German English

Category

Brand	KERN
Product categoriy	Laboratory balance
Product group	Analytical balance
Product family	ABP-A

Measuring System

Construction type of the scale	Multi-division balance
Weighing system	Single-Cell
Weighing capacity [Max]	52 g; 120 g
Weighing capacity [Max] (ct)	600 ct
Readability [d]	0,00001 g; 0,0001 g
Readability carat [d] (ct)	0,0001 ct; 0,001 ct
Resolution	5.200.000, 1.200.000
Linearity	± 0,00005 g; 0,0002 g
Reproducibility	0,00002 g; 0,0001 g
Tare range	120 g
Default unit	g
Units	g mg ct
Units (if device is conformity assessed)	g mg ct
Minimum weight [Min]	0,001 g
USP Minimum weight of sample (k = 2, U = 0.1%)	40 mg
Minimum weight [Min] (ct)	0,01 ct
Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)

Construction

Dimension housing (W×D×H)	220×370×350 mm
Dimensions rectangular draught shield - inner (W×D×H)	166×156×220 mm
Dimensions rectangular draught shield - outer (W×D×H)	213×156×225 mm
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	91 mm
Levelling feet adjustable	✓

Functions

Number of keys for operation	11
Capacity - Display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓

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Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	5
Recipe weighing - number of ingredients per database entry	10
Sum memory function	✓
Underfloor weighing	Hook (included in delivery)
Interfaces	RS-232 standard USB-Host/Master USB-Device

Counting

Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Counting reference weight can be entered	✓
Reference quantity	10, 20, 50, 100
Counting resolution (laboratory conditions)	120.000

Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1.6 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH

Environmental conditions

Humity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	595×380×540 mm
Net weight	7,9 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	13 kg
Shipping weight	24,4 kg

Services (optional)

Article number for conformity assessment	965-201
Article number for DAkkS calibration	963-101
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD

CAL INT	RS 232	USB	GLP INTERN	PCS	RECIPE	PERCENT	UNIT	TOL

MOVE	UNDER	MULTI	SC TECH	1 DAY

OPTION

DAkkS +3 DAYS

FACTORY

M +3 DAYS