

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



Pattern approval for conformity assessment	✓
Accuracy classe	I
Verification scale interval [e]	0,001 g
Verification scale interval [e] (ct)	0,01 ct

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

Construction	
Dimension housing (W×D×H)	213×433×344 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
Dimensions weighing surface (Ø)	91 mm
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Levelling feet adjustable	✓

Functions	
Number of keys for operation	11
Capacity display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Function for averaging under unstable weighing conditions	✓
Recipe weighing - number of database entries	5
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

Category	
Brand	KERN
Product category	Laboratory balances
Product group	Analytical balances

Measuring System	
Readability [d]	0,00001 g
Readability carat [d] (ct)	0,0001 ct
Weighing capacity [Max]	135 g
Minimum weight [Min] (ct)	0,01 ct
Weighing capacity [Max] (ct)	675 ct
Eccentric loading at 1/3 [Max]	0,0003 g
Minimum weight [Min]	0,001 g
Reproducibility	0,00005 g
Linearity	± 0,0002 g
Weighing system	Single-Cell
Resolution	13.500.000
Tare range	135 g
Units	g mg ct
Units (if device is conformity assessed)	g mg ct
Default unit	g
Stabilization time	8 s
Warm-up time	8 h
Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)

Approval	
CE mark	✓
Conformity assessment possible ex works	✓

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Counting resolution (laboratory conditions)	135.000
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Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1 A
Plug-in power supply type	Power adapter
Supplied plug-in 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

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C

Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	382×585×535 mm
Net weight approx.	8 kg
Gross weight approx.	12 kg

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for conformity assessment	965-201
Article number for DAkkS calibration	963-101

Piktogramme

STANDARD



OPTION



FACTORY

