

KERN ABP 200-5M

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



Default unit	g
Units	g
	mg
	ct
Units (if device is conformity assessed)	g
	mg
	ct
Conformity assessment possible	✓

Display	
Display type	OLED
Display type	OLED
Display backlight	LED is self-luminous
Display segments	7
Display digit height	12 mm
Languages of the user interface	German
	English

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
Dimensions weighing surface (Ø)	91 mm
Dimensions weighing surface	91 mm
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Sum memory function	✓
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
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Hook (included in delivery)

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ABP

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	220 g
Weighing capacity [Max] (ct)	1100 ct
Readability [d]	0,00001 g
Readability carat [d] (ct)	0,0001 ct
Reproducibility	0,000015 g; 0,00003 g; 0,00005 g
Linearity	± 0,0001 g
USP Minimum weight of sample (k = 2, U = 0.1%)	30 mg
Minimum weight [Min]	0,001 g
Minimum weight [Min] (ct)	0,1 ct
Resolution	22.000.000
Tare range	220 g
Adjustment options	Internal calibration (automatic)
	Adjusting with internal weight (manual)
Automatic adjustment - Standard temperature deviation	1 °C
Automatic adjustment - Standard time interval	4 h
Stabilization time	8 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0001 g

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Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	220.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 20, 50, 100
Tare function	manual (multi)
Number of keys for operation	11

Interface	
Interfaces	RS-232 standard USB-Host/Master USB-Device

Power Supply	
Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
	UK
	US
Plug-in power supply / adapter for countries - optional	CH
	EURO
	AUS
	UK
	US
	CH

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1 A

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

Approval	
CE mark	✓

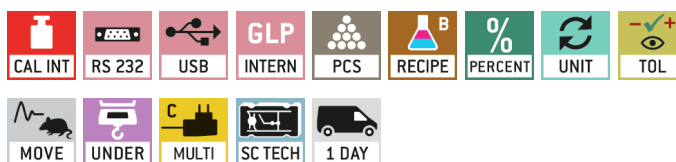
Conformity assessment possible ex works	✓
Accuracy classe	I
Verification scale interval [e]	0,001 g
Verification scale interval [e] (ct)	0,01 ct

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

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	382×585×535 mm
Net weight	7,9 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	12 kg
Shipping weight	23,9 kg

Pictograms

STANDARD



OPTION



FACTORY

