

KERN ABT 100-5NM

KERN

The premium model with single-cell weighing system



Automatic adjustment - Standard time interval	4 h
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Approval

CE mark	✓
Conformity assessment possible ex works	✓
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 digit height	14 mm
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Construction

Dimension housing (W×D×H)	217×356×338 mm
Dimensions rectangular draught shield - inner (W×D×H)	168×172×223 mm
Dimensions rectangular draught shield - outer (W×D×H)	200×240×260 mm
Dimensions weighing surface (Ø)	80 mm
Material housing	metal
Material display housing	Plastics
Material weighing plate	stainless steel
Material draught shield	glass
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Capacity display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Sum memory function	✓
Underfloor weighing	Hook
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg

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]	101 g
Minimum weight [Min] (ct)	0,01 ct
Weighing capacity [Max] (ct)	505 ct
Eccentric loading at 1/3 [Max]	0,00015 g
Minimum weight [Min]	0,001 g
USP Minimum weight of sample (k = 2, U = 0.1%)	100 mg
Reproducibility	0,00005 g
Linearity	± 0,00015 g
Weighing system	Single-Cell
Resolution	10.100.000
Tare range	101 g
Units	g ct
Units (if device is conformity assessed)	g ct
Default unit	g
Stabilization time	10 s
Warm-up time	8 h

Adjustment options	Adjusting with external weight Internal calibration (automatic) Adjusting with internal weight (manual)
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Automatic adjustment - Standard temperature deviation	0,5 °C
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Counting reference weight can be entered	✓
Reference quantity	10, 20, 50, 100
Counting resolution (laboratory conditions)	101.000

Power Supply

Input voltage power supply / power [Max]	110 V - 230 V AC
Input voltage device / power [Max]	12 V DC, 1000 mA
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 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)	433×684×647 mm
Net weight approx.	8 kg
Gross weight approx.	13 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
Article number for certificate of conformity (verification)	969-517

Piktogramme

STANDARD



OPTION



FACTORY

