

KERN ABT 100-5NM

The premium model with single-cell weighing system

KERN



Category

Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ABT

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	101 g
Weighing capacity [Max] (ct)	505 ct
Readability [d]	0,00001 g
Readability carat [d] (ct)	0,0001 ct
Reproducibility	0,00005 g
Linearity	± 0,00015 g
USP Minimum weight of sample (k = 2, U = 0.1%)	100 mg
Minimum weight [Min]	0,001 g
Minimum weight [Min] (ct)	0,01 ct
Resolution	10.100.000
Tare range	101 g

Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)
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Automatic adjustment - Standard temperature deviation	0,5 °C
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Automatic adjustment - Standard time interval	4 h
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Stabilization time	10 s
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Warm-up time	8 h
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Eccentric loading at 1/3 [Max]	0,00015 g
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Default unit	g
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Units	g ct
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Units (if device is conformity assessed)	g ct
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Conformity assessment possible	✓
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Display

Display type	LCD
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Display digit height	14 mm
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Construction

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

Sum memory function	✓
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Recipe/summing level	Rez A (Net total)
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Percentage determination	✓
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Underfloor weighing	Hook (included in delivery)
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Function for averaging under unstable weighing conditions	✓
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Capacity - Display	✓
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Standby function	✓
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Counting function	✓
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Counting resolution (laboratory conditions)	101.000
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Counting reference weight can be entered	✓
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Smallest piece weight when piece counting - laboratory conditions	1 mg
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Smallest piece weight when piece counting - normal conditions	10 mg
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Reference quantity	10, 20, 50, 100
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Tare function	manual (multi)
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Number of keys for operation	6
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Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
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Plug-in power supply type	Power adapter
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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

Input voltage power supply / power [Max]	110 V - 230 V AC
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Input voltage device / power [Max]	12 V DC, 1000 mA
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Environmental conditions

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

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

Article number for conformity assessment	965-201
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Article number for DAkkS calibration	963-101
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	433×684×647 mm
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Shipping method	Parcel service
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Net weight approx.	8 kg
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Gross weight approx.	13 kg
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Shipping weight	38,3 kg
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Pictograms

STANDARD



OPTION



FACTORY

