

KERN ABT 100-5NM

The premium model with single-cell weighing system



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

Display

Display type	LCD
Display digit height	14 mm

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
Dimensions weighing surface	80 mm
Material housing	metal
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	101.000
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	6

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)
Automatic adjustment - Standard temperature deviation	0,5 °C
Automatic adjustment - Standard time interval	4 h
Stabilization time	10 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,00015 g
Default unit	g

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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

