

KERN ADB 100-4

KERN

The price leader in analytical balances



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	120 g
Weighing capacity [Max] (ct)	600 ct
Readability [d]	0,0001 g
Readability carat [d] (ct)	0,001 ct
Resolution	1.200.000
Linearity	± 0,0004 g
Reproducibility	0,0002 g
Tare range	120 g
Default unit	g
	g
	ct
Units	lb
	oz
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	120 g (E2)
Possible calibration points	100 g; 120 g
Stabilization time	4 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0005 g
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg

Approval

CE mark	✓
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Display

Display type	LCD
Display backlight	✓
Display digit height	16 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	230×310×330 mm
Dimensions rectangular draught shield - inner (W×D×H)	170×160×205 mm
Dimensions rectangular draught shield - outer (W×D×H)	175×175×230 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	90 mm
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Standby function	✓
Underfloor weighing	None
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
Reference quantity	5, 10, 20, 50, 100
Counting resolution (laboratory conditions)	120.000

Power Supply

Input voltage power supply / power [Max]	100 - 265 V; 50 - 60 Hz; 2,0 A
Input voltage device / power [Max]	12 V; 2 A
Supplied power supply	Power supply unit

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Plug-in power supply / adapter for EURO countries - included with the delivery

UK
US

Environmental conditions

Humidity of environment [Min]	20 %
Humidity of environment [Max]	85 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	390×490×460 mm
Net weight	4,4 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	8 kg
Shipping weight	17,6 kg

Services (optional)

Article number for DAkkS calibration	963-101
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

