

KERN ADJ 100-4

KERN

The price leader in analytical balances with internal adjustment



Category

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

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
Reproducibility	0,0002 g
Linearity	± 0,0004 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Resolution	1.200.000
Tare range	120 g
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	120 g (E2)
Possible calibration points	100 g; 120 g
Automatic adjustment - Standard temperature deviation	2 °C
Automatic adjustment - Standard time interval	3 h
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
Default unit	g

Units	g ct lb oz
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Display

Display type	LCD
Display backlight	✓
Display segments	7
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
Dimensions weighing surface (Ø)	90 mm
Dimensions weighing surface	90 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓

Functions

Percentage determination	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
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
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard
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Power Supply

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

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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 - 265 V; 50 - 60 Hz; 2,0 A
Input voltage device / power [Max]	12 V; 2 A

Environmental conditions

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

Approval

CE mark	✓
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Services (optional)

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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	375×524×412 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	16,2 kg

Pictograms

STANDARD



OPTION

