

KERN ADJ 100-4

KERN

The price leader in analytical balances, with internal or external adjustment - now available as a model with [Max] 220g!



Approval

CE mark	✓
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Display

Display digit height	16 mm
Display backlight	✓
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
Material housing	plastic
Material display housing	Plastics
Material weighing plate	stainless steel
Material draught shield	glass
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Standby function	✓
Recipe/summing level	Rez A (Net total)
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
Plug-in power supply type	Power adapter
Supplied plug-in power supply	Power supply unit

Category

Brand	KERN
Product category	Laboratory balances
Product group	Analytical balances

Measuring System

Readability [d]	0,0001 g
Readability carat [d] (ct)	0,001 ct
Weighing capacity [Max]	120 g
Weighing capacity [Max] (ct)	600 ct
Eccentric loading at 1/3 [Max]	0,0005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Reproducibility	0,0002 g
Linearity	± 0,0004 g
Weighing system	Force compensation
Resolution	1.200.000
Tare range	120 g
Units	g ct lb oz
Default unit	g
Stabilization time	4 s
Warm-up time	8 h
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

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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US
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Plug-in power supply / adapter for countries - optional	EURO UK US CH
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Environmental conditions

Humidity of environment [Min]	20 %
Humidity of environment [Max]	85 %
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)	375×524×412 mm
Net weight approx.	5,0 kg
Gross weight approx.	8 kg

Services (optional)

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

Piktogramme

STANDARD



OPTION

