

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
Resolution	1.200.000
Linearity	± 0,0004 g
Reproducibility	0,0002 g
Tare range	120 g
Default unit	g
Units	g ct lb oz
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
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

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	✓
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
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Input voltage device / power [Max]	12 V; 2 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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

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)	375×524×412 mm
Net weight	5 kg
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	16,2 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

