

KERN ADJ 200-4

The price leader in analytical balances with internal adjustment

KERN



Units

g
ct
lb
oz

Display	
Display type	LCD
Display type	7 segment LED
Display backlight	✓
Display segments	7
Display digit height - smallest digit	16 mm
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	cast aluminium, 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)	220.000
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
EasyTouch (ET) - Connection type	RS232

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]	220 g
Weighing capacity [Max] (ct)	1100 ct
Readability [d]	0,0001 g
Readability carat [d] (ct)	0,0005 ct
Reproducibility	0,0002 g
Linearity	± 0,0004 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Resolution	2.200.000
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	200 g (E2)
Possible calibration points	100 g; 200 g
Automatic adjustment - Standard temperature deviation	2 °C
Automatic adjustment - Standard time interval	3 h
Stabilization time	3 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

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Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US
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)	325×443×396 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	11,4 kg

Pictograms

STANDARD



OPTION

