KERN **ADB 200-4**

Flexible analytical scales for reliable routine applications



Date of creation: 24.10.2026

Category

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

Measuring System

Weighing system	Force compensation
Weighing capacity [Max]	220 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Readability [d]	0,0001 g
Reproducibility	0,0002 g
Linearity	± 0,0004 g
Resolution	2.200.000
Tare range	220 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (E2)
Possible calibration points	100 g; 200 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,0005 g
Weighing capacity [Max] (ct)	1100 ct
Construction type of the scale	Single-range balance
Units	g ct lb oz PCS %
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g
Readability carat [d] (ct)	0,0005 ct
Warm-up time	8 h
typical reproducibility	0,00006 g
typical USP Minimum weight of sample	120 mg

Display

Display type	LCD
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	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions

Percentage determination	✓
Standby function	✓
Counting function	✓
Tare function	manual (multi)
Counting resolution (laboratory conditions)	220.000
Smallest piece weight when piece counting - laboratory conditions	1 mg
Reference quantity	5, 10, 20, 50, 100
Number of keys for operation	6
Smallest piece weight when piece counting - normal conditions	10 mg

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Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
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
Power supply cable removable	removable
Input voltage device / power [Max]	12 V; 2 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm

Environmental conditions

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

Services (optional)

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

Packing & Shipping

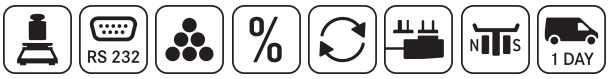
Delivery time	1 d
Dimensions packaging (W×D×H)	380×490×460 mm
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	7 kg
Shipping weight	17,1 kg
Shipping volume weight	17,1 kg

Product information

GTIN/EAN number	4045761252523
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

