

KERN ADB 200-4

The price leader in analytical balances

KERN



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
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

Warm-up time 8 h

Eccentric loading at 1/3 [Max] 0,0005 g

USP Minimum weight of sample (k = 2, U = 0.1%) 400 mg

Construction type of the scale Single-range balance

Units
g
ct
lb
oz
PCS
%

Weighing capacity [Max] (ct) 1 100 ct

Readability carat [d] (ct) 0,0005 ct

Maximum creep (15 minutes) 1 mg

Maximum creep (30 minutes) 2 mg

Default unit g

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	✓

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

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US

KERN ADB 200-4

KERN

The price leader in analytical balances

Input voltage power supply / power [Max]	100 - 265 V; 50 - 60 Hz; 2,0 A
--	-----------------------------------

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
---------------------------	-------

Humidity of environment [Min]	20 %
-------------------------------	------

Humidity of environment [Max]	85 %
-------------------------------	------

Storage temperature [Min]	-10 °C
---------------------------	--------

Storage temperature [Max]	40 °C
---------------------------	-------

Approval

CE mark	✓
---------	---

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
-----------------	---------

Product information

GTIN/EAN number	4045761252523
-----------------	---------------

Pictograms

STANDARD



OPTION

