

KERN ABP 200-4AM

KERN

Premium analytical balance with automatic sliding doors and the latest Single-Cell Generation for extremely rapid, stable weighing results



Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | Analytical balance |
| Product family | ABP-A |

Measuring System

| | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 220 g |
| Weighing capacity [Max] (ct) | 1100 ct |
| Readability [d] | 0,0001 g |
| Readability carat [d] (ct) | 0,001 ct |
| Reproducibility | 0,0001 g |
| Linearity | ± 0,0002 g |

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

200 mg

Minimum weight [Min]

0,01 g

Minimum weight [Min] (ct)

0,1 ct

Resolution

2.200.000

Tare range

220 g

Adjustment options

Internal calibration
(automatic)
Adjusting with internal
weight (manual)

Automatic adjustment - Standard
temperature deviation

1 °C

Automatic adjustment - Standard
time interval

4 h

Stabilization time

2 s

Warm-up time

8 h

Eccentric loading at 1/3 [Max]

0,0003 g

Default unit

g

Units

g
mg
ct

Units (if device is conformity
assessed)

g
mg
ct

Conformity assessment possible

✓

Display

| | |
|---------------------------------|----------------------|
| Display type | OLED |
| Display type | OLED |
| Display backlight | LED is self-luminous |
| Display segments | 7 |
| Display digit height | 12 mm |
| Languages of the user interface | German English |

Construction

| | |
|--|-------------------------|
| Dimension housing (W×D×H) | 220×370×350 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 166×156×220 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 213×156×225 mm |
| Dimensions weighing surface (Ø) | 91 mm |
| Dimensions weighing surface | 91 mm |
| Material housing | cast aluminium, plastic |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Material draught shield | glass |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |

Functions

| | |
|---|---|
| Sum memory function | ✓ |
| Recipe/summing level | Rez B (Net-total, memory with plain text designations + setpoint, also for printout) |
| Recipe weighing - number of database entries | 5 |
| Recipe weighing - number of ingredients per database entry | 10 |
| Percentage determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | visual |
| Underfloor weighing | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓ |

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| | |
|---|-----------------|
| Capacity - Display | ✓ |
| Standby function | ✓ |
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 220.000 |
| Counting reference weight can be entered | ✓ |
| Smallest piece weight when piece counting - laboratory conditions | 1 mg |
| Smallest piece weight when piece counting - normal conditions | 10 mg |
| Reference quantity | 10, 20, 50, 100 |
| Tare function | manual (multi) |
| Number of keys for operation | 11 |

Interface

| | |
|------------|--|
| Interfaces | RS-232 standard USB-Host/Master USB-Device |
|------------|--|

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 AUS UK US CH |
| Plug-in power supply / adapter for countries - optional | EURO AUS UK US CH |
| Input voltage power supply / power [Max] | 220 V - 240 V AC, 50 Hz |
| Input voltage device / power [Max] | 12 V, 1.6 A |

Environmental conditions

| | |
|-------------------------------|--------|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 30 °C |
| Humidity of environment [Max] | 80 % |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 50 °C |

Approval

| | |
|---|---|
| CE mark | ✓ |
| Conformity assessment possible ex works | ✓ |
| Accuracy classe | I |

| | |
|--------------------------------------|---------|
| Verification scale interval [e] | 0,001 g |
| Verification scale interval [e] (ct) | 0,01 ct |

Services (optional)

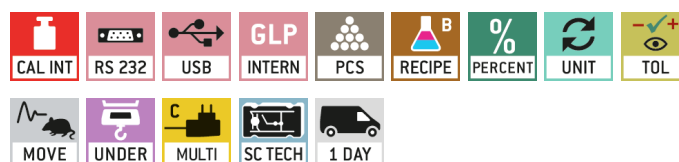
| | |
|---|---------|
| Article number for conformity assessment | 965-201 |
| Article number for DAkkS calibration | 963-101 |
| Article number for certificate of conformity (verification) | 969-517 |

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 382×585×535 mm |
| Shipping method | Parcel service |
| Net weight approx. | 8 kg |
| Gross weight approx. | 13 kg |
| Shipping weight | 23,9 kg |

Pictograms

STANDARD



OPTION



FACTORY

