# KERN **ADJ 200-4**

The price leader in analytical balances with internal adjustment



## Category

| | |
|---|---|
| Brand | KERN |
| Product categoriy | Laboratory balance |
| Product group | Analytical balance |
| Product family | ADJ |

## Measuring System

| | |
|---|---|
| Automatic adjustment - Standard temperature deviation | 2 °C |
| Weighing system | Force compensation |
| Weighing capacity [Max] | 220 g |
| Automatic adjustment - Standard time interval | 3 h |
| Readability [d] | 0,0001 g |
| Reproducibility | 0,0002 g |
| typical reproducibility | 0,00007 g |
| Linearity | ± 0,0004 g |
| Resolution | 2.200.000 |
| Adjustment options | Internal calibration (automatic) |
| 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 |
| typical USP Minimum weight of sample | 140 mg |
| Construction type of the scale | Single-range balance |
| Units | g<br>ct<br>lb<br>oz<br>PCS<br>% |
| Weighing capacity [Max] (ct) | 1100 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 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 | plastic |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Transport safety lock - bolt torque | 0,4 Nm |

## 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 |

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| Interface | |
|---|---|
| Interfaces | RS-232 standard |

| Power Supply | |
|---|---|
| Supplied power supply | Power supply unit |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>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 |

| Approval | |
|---|---|
| CE mark | ✓ |

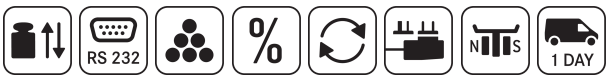
| Services (optional) | |
|---|---|
| Article number for DAkkS calibration | 963-101 |
| Article number for certificate of conformity | 969-517 |

| Packing & Shipping | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 325×443×396 mm |
| Shipping method | Parcel service |
| Net weight approx. | 5,0 kg |
| Gross weight approx. | 8 kg |
| Shipping weight | 11,4 kg |

| Product information | |
|---|---|
| GTIN/EAN number | 4045761252516 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION

