

KERN ABT 220-4NM

KERN

The premium model with single-cell weighing system



| | |
|---|----------|
| Automatic adjustment - Standard temperature deviation | 0,5 °C |
| Automatic adjustment - Standard time interval | 4 h |
| Stabilization time | 4 s |
| Warm-up time | 8 h |
| Eccentric loading at 1/3 [Max] | 0,0003 g |

Approval

| | |
|---|---------|
| CE mark | ✓ |
| Accuracy classe | I |
| Verification scale interval [e] | 0,001 g |
| Verification scale interval [e] (ct) | 0,01 ct |
| Conformity assessment possible ex works | ✓ |

Display

| | |
|----------------------|-------|
| Display type | LCD |
| Display digit height | 14 mm |

Construction

| | |
|---|-----------------|
| Dimension housing (W×D×H) | 217×345×330 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 168×172×223 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 200×240×260 mm |
| Material display housing | Plastics |
| Material housing | metal |
| Material weighing plate | stainless steel |
| Material draught shield | glass |
| Dimensions weighing surface (Ø) | 80 mm |
| Levelling feet adjustable | ✓ |

Functions

| | |
|---|-----------------------------|
| Number of keys for operation | 6 |
| Capacity - Display | ✓ |
| Tare function | manual (multi) |
| Percentage determination | ✓ |
| Counting function | ✓ |
| Function for averaging under unstable weighing conditions | ✓ |
| Standby function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Sum memory function | ✓ |
| Underfloor weighing | Hook (included in delivery) |
| Interfaces | RS-232 standard |

Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | Analytical balance |
| Product family | ABT |

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 |
| Resolution | 2.200.000 |
| Linearity | ± 0,0002 g |
| Reproducibility | 0,0001 g |
| Tare range | 220 g |
| Default unit | g |
| Units | g ct |
| Units (if device is conformity assessed) | g ct |
| Minimum weight [Min] | 0,01 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 mg |
| Minimum weight [Min] (ct) | 0,1 ct |
| Adjustment options | Adjusting with external weight Internal calibration (automatic) Adjusting with internal weight (manual) |

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Counting

| | |
|---|-----------------|
| Smallest piece weight when piece counting - laboratory conditions | 1 mg |
| Smallest piece weight when piece counting - normal conditions | 10 mg |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 10, 20, 50, 100 |
| Counting resolution (laboratory conditions) | 220.000 |

Power Supply

| | |
|---|-------------------------------|
| Input voltage power supply / power [Max] | 220 V - 240 V AC, 50 Hz |
| Input voltage device / power [Max] | 12 V DC, 1000 mA |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Power supply unit |
| | EURO |
| Plug-in power supply / adapter for countries - included with the delivery | AUS UK US CH |
| Plug-in power supply / adapter for countries - optional | EURO AUS UK US CH |

Environmental conditions

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

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 400×585×545 mm |
| Net weight | 7,65 kg |
| Shipping method | Parcel service |
| Net weight approx. | 8 kg |
| Gross weight approx. | 12 kg |
| Shipping weight | 25,5 kg |

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

Pictograms

STANDARD



OPTION



FACTORY

