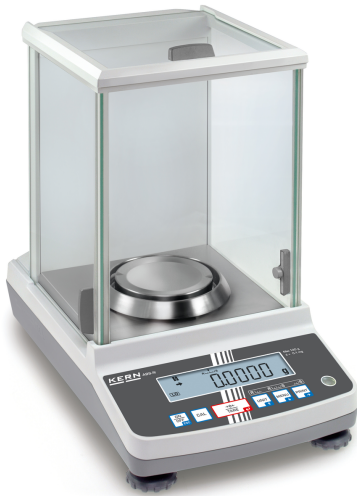


KERN ACJ 100-4M



The bestseller in analytical balances, with high-quality single-cell weighing system, verification optional



| | |
|---|----------|
| Automatic adjustment - Standard temperature deviation | 2 °C |
| Automatic adjustment - Standard time interval | 4 h |
| Stabilization time | 3 s |
| Warm-up time | 8 h |
| Eccentric loading at 1/3 [Max] | 0,0005 g |

Approval

| | |
|--|---------|
| CE mark | ✓ |
| Pattern approval for conformity assessment | ✓ |
| 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 type | LCD |
| Display screen size | 115×32 mm |
| Display backlight | no |
| Display digit height | 14 mm |
| Languages of the user interface | Symbol language |

Construction

| | |
|---|-------------------------|
| Dimension housing (W×D×H) | 213×333×338 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 174×162×227 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 201×220×256 mm |
| Material display housing | Plastics |
| Material housing | cast aluminium, plastic |
| Material weighing plate | stainless steel |
| Material draught shield | glass |
| Dimensions weighing surface (Ø) | 91 mm |
| Levelling feet adjustable | ✓ |

Functions

| | |
|--|----------------|
| Number of keys for operation | 6 |
| Auto-off interval(s) in mains power mode | 0 - 99 min |
| Tare function | manual (multi) |
| Percentage determination | ✓ |
| Counting function | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | visual |

Category

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

Measuring System

| | |
|--|---|
| Conformity assessment possible | ✓ |
| Construction type of the scale | Single-range balance |
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 120 g |
| Weighing capacity [Max] (ct) | 600 ct |
| Readability [d] | 0,0001 g |
| Readability carat [d] (ct) | 0,001 ct |
| Resolution | 1.200.000 |
| Linearity | ± 0,0003 g |
| Reproducibility | 0,0002 g |
| Default unit | g |
| Units | g mg ct |
| Units (if device is conformity assessed) | g mg ct |
| Minimum weight [Min] | 0,01 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 400 mg |
| Minimum weight [Min] (ct) | 0,1 ct |
| Adjustment options | Internal calibration (automatic) Adjusting with internal weight (manual) |
| Recommended adjusting weight | 100 g (E2) |

KERN ACJ 100-4M



The bestseller in analytical balances, with high-quality single-cell weighing system, verification optional

| | |
|----------------------|-------------------------------|
| Standby function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Sum memory function | ✓ |
| Interfaces | RS-232 standard USB-Device |

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 | 5, 10, 20, 50, 100 |
| Counting resolution (laboratory conditions) | 120.000 |

Power Supply

| | |
|---|------------------------|
| Input voltage power supply / power [Max] | 110 V - 230 V AC |
| Input voltage device / power [Max] | 12 V, 1 A |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Power supply unit |
| Plug-in power supply / adapter for countries - included with the delivery | EURO UK US CH |
| Plug-in power supply / adapter for countries - optional | EURO UK US CH |

Environmental conditions

| | |
|-------------------------------|--------|
| Humidity of environment [Min] | 20 % |
| Humidity of environment [Max] | 85 % |
| 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) | 390×563×515 mm |
| Net weight | 6,271 kg |
| Shipping method | Parcel service |
| Net weight approx. | 7 kg |
| Gross weight approx. | 10 kg |
| Shipping weight | 22,6 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

