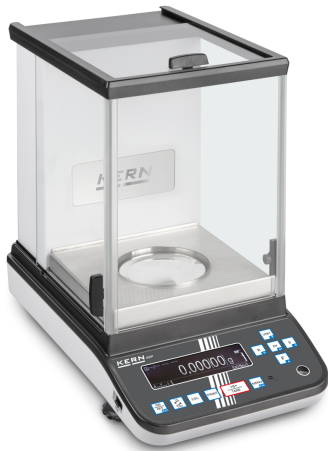


KERN ABP 100-5M

Premium single-range semi-micro balance with unbelievably high resolution and the latest Single-Cell Generation for extremely rapid and stable weighing results



| | |
|---|----------|
| Automatic adjustment - Standard temperature deviation | 1 °C |
| Automatic adjustment - Standard time interval | 4 h |
| Stabilization time | 8 s |
| Warm-up time | 8 h |
| Eccentric loading at 1/3 [Max] | 0,0001 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 | OLED |
| Display type | OLED |
| Display backlight | LED is self-luminous |
| 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 |
| Material housing | cast aluminium, plastic |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Material draught shield | glass |
| Dimensions weighing surface (Ø) | 91 mm |
| Levelling feet adjustable | ✓ |

| Functions | |
|-------------------------------------|----------------|
| Number of keys for operation | 11 |
| Capacity - Display | ✓ |
| 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 | ABP |

| Measuring System | |
|--|---|
| Conformity assessment possible | ✓ |
| Construction type of the scale | Single-range balance |
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 135 g |
| Weighing capacity [Max] (ct) | 675 ct |
| Readability [d] | 0,00001 g |
| Readability carat [d] (ct) | 0,0001 ct |
| Resolution | 13.500.000 |
| Linearity | ± 0,0001 g |
| Reproducibility | 0,00005 g |
| Tare range | 135 g |
| Default unit | g |
| Units | g mg ct |
| Units (if device is conformity assessed) | g mg ct |
| Minimum weight [Min] | 0,001 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 100 mg |
| Minimum weight [Min] (ct) | 0,01 ct |
| Adjustment options | Internal calibration (automatic) Adjusting with internal weight (manual) |

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Premium single-range semi-micro balance with unbelievably high resolution and the latest Single-Cell Generation for extremely rapid and stable weighing results

| | |
|--|--|
| Function for averaging under unstable weighing conditions | ✓ |
| Standby 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 |
| Sum memory function | ✓ |
| Underfloor weighing | Hook (included in delivery) |
| Interfaces | RS-232 standard USB-Host/Master 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 | 10, 20, 50, 100 |
| Counting resolution (laboratory conditions) | 135.000 |

| Power Supply | |
|---|-------------------------------|
| Input voltage power supply / power [Max] | 220 V - 240 V AC, 50 Hz |
| 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 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 |

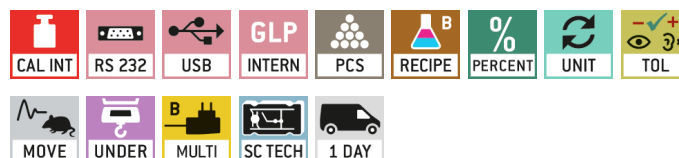
| | |
|---------------------------|--------|
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 50 °C |

| Packing & Shipping | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 382×585×535 mm |
| Net weight | 7,9 kg |
| Shipping method | Parcel service |
| Net weight approx. | 8 kg |
| Gross weight approx. | 12 kg |
| Shipping weight | 23,9 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

