

KERN EMB 100-3

KERN

Entry level laboratory balance with tremendous weighing performance



Display

| | |
|---------------------------------|-----------------|
| Display type | LCD |
| Display screen size | 58×18 mm |
| Display backlight | no |
| Display digit height | 15 mm |
| Languages of the user interface | Symbol language |

Construction

| | |
|---|----------------------------------|
| Dimension housing (W×D×H) | 170×244×54 mm |
| Dimensions ring-shaped draught shield - inner (Ø×H) | 96×35 mm |
| Dimensions ring-shaped draught shield - outer (Ø×H) | 105×35 mm |
| Dimensions completely mounted (W×D×H) | 170×240×92 mm |
| Material display housing | Plastics |
| Material housing | plastic |
| Material weighing plate | plastic, with conductive lacquer |
| Material draught shield | plastic |
| Dimensions weighing surface (Ø) | 82 mm |

Functions

| | |
|--|-----------------------------|
| Number of keys for operation | 2 |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min |
| Tare function | manual (multi) |
| Underfloor weighing | Hook (included in delivery) |
| IP protection - complete device | - |

Power Supply

| | |
|---|-------------------------|
| Input voltage power supply / power [Max] | 220 V - 240 V AC, 50 Hz |
| Input voltage device / power [Max] | 9 V, 300 mA |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Battery |
| | EURO |
| Plug-in power supply / adapter for countries - optional | UK US CH |
| Rechargeable battery optional | Rchrg. battery optional |
| Rechargeable battery charging time | 10 h |
| Rechargeable battery operating time - backlight off | 50 h |
| Battery | 9 V block |
| Battery / accumulator type | Alkali(-Manganese) |

Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | School balance |
| Product family | EMB |

Measuring System

| | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 100 g |
| Readability [d] | 0,001 g |
| Resolution | 100.000 |
| Linearity | ± 0,005 g |
| Reproducibility | 0,001 g |
| Tare range | 100 g |
| Default unit | g |

| | |
|-------|-----|
| Units | g |
| | dwt |
| | ozt |
| | oz |

| | |
|--------------------------------|--------------------------------|
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 100 g (F1) |
| Possible calibration points | 100 g |
| Stabilization time | 2,5 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,005 g |
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |

Approval

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

KERN EMB 100-3



Entry level laboratory balance with tremendous weighing performance

| | |
|------------------------|--------------|
| Battery connection | Pad + Spring |
| Battery voltage | 9 V |
| Battery operating time | 12 h |

Environmental conditions

| | |
|-------------------------------|--------|
| Humidity of environment [Max] | 80 % |
| Ambient temperature [Min] | 5 °C |
| Ambient temperature [Max] | 35 °C |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 220×290×147 mm |
| Net weight | 0,83 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,85 kg |
| Gross weight approx. | 1,4 kg |
| Shipping weight | 1,9 kg |

Services (optional)

| | |
|---|---------|
| Article number for DAkkS calibration | 963-127 |
| Article number for certificate of conformity (verification) | 969-517 |

Pictograms

STANDARD



OPTION

