# KERN **PCB 200-3**

The standard in the laboratory, ideal for a wide range of applications for Industry 4.0

**KERN**



## Category

| | |
|---|---|
| Brand | KERN |
| Product categoriy | Laboratory balance |
| Product group | Precision balance |
| Product family | PCB |

## Measuring System

| | |
|---|---|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 200 g |
| Readability [d] | 0,001 g |
| Reproducibility | 0,001 g |
| Linearity | ± 0,005 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 2 g |
| Resolution | 200.000 |
| Tare range | 200 g |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 200 g (F1) |
| Possible calibration points | 50 g; 100 g; 200 g |
| Stabilization time | 3 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,006 g |
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |
| Default unit | g |
| Units | kg<br>g<br>gn<br>dwt<br>tl (Tw)<br>tl (HK) |

|  |  |
|---|---|
| | ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>ffa<br>m |

## Display

| | |
|---|---|
| Display type | LCD |
| Display backlight | ✓ |
| Display screen size | 89×30 mm |
| Display digit height | 21 mm |
| Languages of the user interface | English<br>Symbol language |

## Construction

| | |
|---|---|
| Dimension housing (W×D×H) | 163×245×65 mm |
| Dimensions completely mounted (W×D×H) | 163×245×123 mm |
| Dimensions ring-shaped draught shield - inner (Ø×H) | 90×40 mm |
| Dimensions weighing surface (Ø) | 82 mm |
| Dimensions weighing surface | 82 mm |
| Material housing | plastic |
| Material weighing plate | plastic, with conductive lacquer |
| Material platform | Plastics |
| Material draught shield | plastic |
| Material display housing | Plastics |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Transport safety lock - bolt torque | 0,4 Nm |

## Functions

| | |
|---|---|
| PreTare function | ✓ |
| Sum memory function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Percentage determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |
| Underfloor weighing | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓ |
| Counting function | ✓ |

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| | |
|---|---|
| Counting resolution (laboratory conditions) | 100.000 |
| Counting reference weight can be entered | ✓ |
| Smallest piece weight when piece counting - laboratory conditions | 2 mg |
| Smallest piece weight when piece counting - normal conditions | 20 mg |
| Reference quantity | 5, 10, 20, 50, free, Input |
| IP protection - display | no IP protection |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min<br>2 min<br>1 min<br>30 min<br>60 min<br>30 sec |
| Auto-off interval(s) in mains power mode | off |
| Tare function | manual (multi) |
| Number of keys for operation | 5 |

## Interface

| | |
|---|---|
| Interfaces | RS-232 (optional)<br>Bluetooth (optional)<br>Ethernet (optional)<br>USB-Device (optional)<br>KUP<br>WiFi (optional) |
| EasyTouch (ET) - Compatibility | vollständig |

## Power Supply

| | |
|---|---|
| Supplied power supply | Power supply unit |
| Plug-in power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US<br>CH |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max] | 100 V - 240 V AC, 50 / 60 Hz |
| Input voltage device / power [Max] | 5,9V, 1A |
| Battery / accumulator type | Li-Ion |
| Battery | 4×1.5 V AA |
| Battery connection | Battery insert |
| Battery operating time | 20 h |
| Rechargeable battery operating time - backlight on | 24 h |

| | |
|---|---|
| Rechargeable battery operating time - backlight off | 48 h |
| Rechargeable battery charging time | 8 h |
| Rechargeable battery optional | Rchrg. battery optional - intern |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Humity of environment [Max] | 80 % |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

## Approval

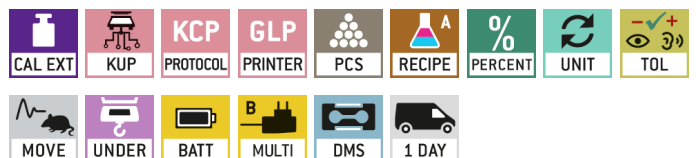| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

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

## Packing & Shipping

| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 235×365×175 mm |
| Shipping method | Parcel service |
| Net weight approx. | 1,00 kg |
| Gross weight approx. | 1,6 kg |
| Shipping weight | 3 kg |

## Pictograms

**STANDARD**

CAL EXT | KUP | KCP PROTOCOL | GLP PRINTER | PCS | RECIPE | PERCENT | UNIT | TOL

MOVE | UNDER | BATT | MULTI | DMS | 1 DAY

**OPTION**

ET | RS 232 | USB | BT | WIFI | LAN | ACCU | DAkkS +3 DAYS