

KERN PCB 300-3

KERN

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



Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | 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] | 360 g |
| Readability [d] | 0,001 g |
| Reproducibility | 0,002 g |
| Linearity | ± 0,005 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 4 g |
| Resolution | 360.000 |
| Tare range | 350 g |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 200 g (F1) |
| Possible calibration points | 100 g; 200 g; 350 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 g gn dwt tl (Tw) tl (HK) |

ozt
tl (Singap, Malays)
ct
mo
lb
oz
ffa
m
PCS
%

Display

| | |
|---------------------------------|----------------------------|
| Display type | LCD |
| Display backlight | ✓ |
| Display screen size | 89×30 mm |
| Display digit height | 21 mm |
| Languages of the user interface | English 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 | ✓ |
| 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) | 180.000 |
| 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 |
| | 2 min |
| | 1 min |
| | 30 min |
| | 60 min |
| | 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) |
| | Bluetooth (optional) |
| | Ethernet (optional) |
| | USB-Device (optional) |
| | KUP |
| | 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 |
| | UK |
| | US |
| | CH |
| Plug-in power supply / adapter for countries - optional | EURO |
| | UK |
| | US |
| | 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 |
| Humidity 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 | 969-517 |

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 235×365×175 mm |
| Shipping method | Parcel service |
| Net weight approx. | 0,85 kg |
| Gross weight approx. | 1,8 kg |
| Shipping weight | 3 kg |

Pictograms

STANDARD



OPTION

