

KERN PBS 1000-3

Multifunctional laboratory balance with single-cell weighing system



Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | Precision balance |
| Product family | PBS |

Measuring System

| | |
|--|--------------------------------|
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 1020 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 2 g |
| Readability [d] | 0,001 g |
| Reproducibility | 0,001 g |
| Linearity | ± 0,002 g |
| Resolution | 1.020.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 1 kg (E2) |
| Possible calibration points | 1 kg |
| Stabilization time | 2,5 s |
| Eccentric loading at 1/3 [Max] | 0,005 g |
| Construction type of the scale | Single-range balance |

| | |
|-------|---------------------|
| Units | kg |
| | g |
| | mg |
| | t |
| | gn |
| | dwt |
| | tl (Tw) |
| | tl (HK) |
| | ozt |
| | tl (Singap, Malays) |
| | ct |
| | lb |

oz
tl (Cn)
PCS
%
D
mom

| | |
|----------------------------|-------|
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |
| Default unit | g |

Display

| | |
|---------------------------------|---------|
| Display type | LCD |
| Display backlight | ✓ |
| Display digit height | 14 mm |
| Languages of the user interface | English |

Construction

| | |
|---|-----------------|
| Dimension housing (W×D×H) | 191×317×79 mm |
| Dimensions completely mounted (W×D×H) | 202×317×166 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 180×193×87 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 202×228×103 mm |
| Dimensions weighing surface (W×D) | 113×110 mm |
| Dimensions weighing surface | 113×110 mm |
| Dimensions weighing platform (W×D×H) | 113×110×5 mm |
| Material housing | cast aluminium |
| Material weighing plate | stainless steel |
| Material draught shield | plastic |
| Material display housing | plastic |
| Material load cell(s) | aluminium |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Transport safety lock - bolt torque | 6 Nm |
| Cable length | 1,5 m |
| Load cells - number | 1 |

Functions

| | |
|-------------------------------------|-------------------|
| PreTare function | ✓ |
| Sum memory function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Percentage determination | ✓ |
| Dispensing function | ✓ |
| Density determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | visual |

KERN PBS 1000-3



Multifunctional laboratory balance with single-cell weighing system

| | |
|---|---|
| Underfloor weighing | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓ |
| Capacity - Display | ✓ |
| Standby function | ✓ |
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 1.020.000 |
| Smallest piece weight when piece counting - laboratory conditions | 1 mg |
| Smallest piece weight when piece counting - normal conditions | 10 mg |
| Reference quantity | 10, 25, 50, 100, n (any number of pieces) |
| Hold function | ✓ |
| Peak function | ✓ |
| Tare function | manual (multi) |
| Number of keys for operation | 5 |

| Interface | |
|------------|----------------------|
| Interfaces | RS-232 standard - 2x |

| Power Supply | |
|---|---|
| Supplied power supply | Power supply unit |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO CH |
| Plug-in power supply / adapter for countries - optional | EURO AUS UK US CH |
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max] | 12 V DC, 150 0mA |
| Power socket for mains adapter | Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm |

| Environmental conditions | |
|-------------------------------|--------|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 30 °C |
| Humidity of environment [Max] | 80 % |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 50 °C |

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

| Services (optional) | |
|--|---------|
| Article number for DAkkS calibration | 963-103 |
| Article number for certificate of conformity | 969-517 |

| Packing & Shipping | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (WxDxH) | 585x370x260 mm |
| Shipping method | Parcel service |
| Net weight approx. | 2,8 kg |
| Gross weight approx. | 5,0 kg |
| Shipping weight | 11,3 kg |

| Product information | |
|---------------------|----------------|
| GTIN/EAN number | 404576 1492967 |
| Trade number | 90160010 |

Pictograms

STANDARD



OPTION

