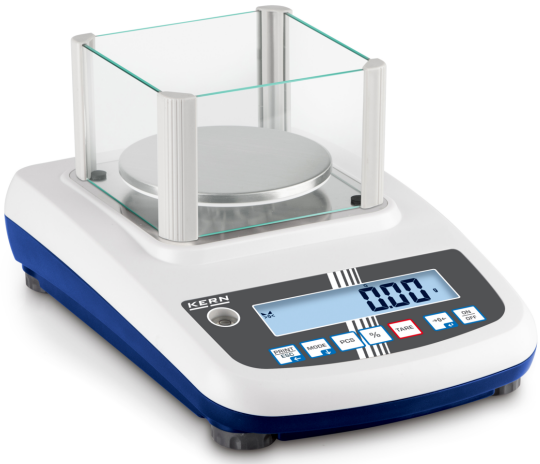
# KERN **PFB 1200-2**

Quick-display precision balance with user-friendly concept of operation mode - now also with checkweighing function



**Date of creation: 24.10.2026**

## Category

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

## Measuring System

| | |
|---|---|
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 1200 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 40 g |
| Readability [d] | 0,01 g |
| Reproducibility | 0,02 g |
| Linearity | ± 0,03 g |
| Resolution | 120.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 1 kg (F1) |
| Possible calibration points | 400 g; 800 g; 1,2 kg |
| Stabilization time | 2 s |
| Eccentric loading at 1/3 [Max] | 0,04 g |
| Construction type of the scale | Single-range balance |
| Units | kg<br>g<br>t<br>gn<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>ffa<br>m |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |
| Default unit | g |
| Warm-up time | 120 min |

## Display

| | |
|---|---|
| Display type | LCD |
| Display backlight | ✓ |
| Display screen size | 129×27 |
| Display digit height | 21 mm |
| Languages of the user interface | Symbol language |

## Construction

| | |
|---|---|
| Dimension housing (W×D×H) | 210×315×90 mm |
| Dimensions completely mounted (W×D×H) | 210×315×160 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 140×150×65 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 147×163×80 mm |
| Dimensions weighing surface (Ø) | 120 mm |
| Dimensions weighing surface | 120 mm |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | stainless steel |
| Material draught shield | glass |
| Material load cell(s) | aluminium |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Transport safety lock - bolt torque | 0,1 Nm |

## Functions

| | |
|---|---|
| Hold function | ✓ |
| IP protection - display | no IP protection |
| IP protection - load cell | IP65 |
| PreTare function | ✓ |
| Percentage determination | ✓ |
| Statistic function | ✓ |
| Sum memory function | ✓ |

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| | |
|---|---|
| Function for averaging under unstable weighing conditions | ✓ |
| Tolerance weighing | ✓ |
| Counting function | ✓ |
| Capacity - Display | ✓ |
| 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 |
| Tare function | manual (multi) |
| Counting resolution (laboratory conditions) | 60.000 |
| Counting reference weight can be entered | ✓ |
| Smallest piece weight when piece counting - laboratory conditions | 20 mg |
| Reference quantity | 5, 10, 20, 50, free, Input |
| Recipe/summing level | Rez A (Net total) |
| Number of keys for operation | 7 |
| Smallest piece weight when piece counting - normal conditions | 200 mg |
| Tolerance weighing - type of signal | acoustically<br>visual |

## Interface

| | |
|---|---|
| Interfaces | RS-232 standard<br>Bluetooth BTC (v2.0) (optional, factory)<br>Bluetooth BLE (v4.0) (optional, factory) |

## 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<br>UK<br>US<br>CH |
| Plug-in power supply / adapter for countries - optional | EURO<br>AUS<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 12 V, 500 mA |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm |
| Battery / accumulator type | Li-Metal |
| Battery connection | 2-pole tub connector |
| Battery capacity | 220 mAh |
| Battery voltage | 3 V |
| Battery – Number of cells | 1 |
| Battery – Individual weight | 2,9 g |
| Battery – Total weight | 2,9 g |
| Battery capacity (Wh) | 0,66 Wh |
| Battery – Lithium content | 64 mg |
| Battery – Tests passed UN 38.3 | ✓ |
| Rechargeable battery operating time - backlight on | 36 h |
| Rechargeable battery operating time - backlight off | 72 h |
| Rechargeable battery charging time | 6,5 h |
| Rechargeable battery optional | Rchrg. battery optional (factory) |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | 15 °C |
| Ambient temperature [Max] | 30 °C |
| Humity of environment [Min] | 0 % |
| Humity of environment [Max] | 80 % |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

## 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) | 380×280×280 mm |
| Shipping method | Parcel service |
| Net weight approx. | 1,4 kg |
| Gross weight approx. | 2,6 kg |
| Shipping weight | 6 kg |
| Shipping volume weight | 6 kg |

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## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761476264 |
| Trade number | 90160010 |
| Warranty Time | 24 mon |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION




### FACTORY

