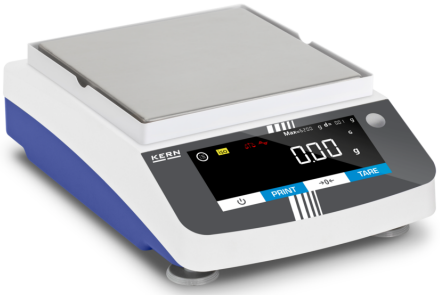
# KERN **PDS 6000-2**

Precision balance with flexible functionality and touch display




**Date of creation: 01.07.2026**

## Category

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

## Measuring System

| | |
|---|---|
| Weighing system | Force compensation |
| Weighing capacity [Max] | 6200 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 60 g |
| Readability [d] | 0,01 g |
| Reproducibility | 0,03 g |
| Linearity | ± 0,05 g |
| Resolution | 620.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 5 kg (E2) |
| Possible calibration points | 5 kg; 6 kg |
| Stabilization time | 3 s |
| Eccentric loading at 1/3 [Max] | 0,06 g |
| Construction type of the scale | Single-range balance |
| Units | kg<br>g<br>gn<br>dwt<br>tl (Tw)<br>ozt<br>ct<br>lb<br>N<br>oz<br>ffa |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |
| Default unit | g |

## Display

| | |
|---|---|
| Display type | LCD |
| Display type | LCD |
| Display backlight | ✓ |
| Display screen size | 140×48 mm |
| Display segments | 7 |
| Display digit height | 20 mm |
| Languages of the user interface | English<br>Symbol language |

## Construction

| | |
|---|---|
| Dimensions completely mounted (W×D×H) | 213×322×101 mm |
| Dimensions weighing surface (W×D) | 185×185 mm |
| Dimensions weighing surface | 185×185 mm |
| Material housing | ABS plastic |
| Material weighing plate | stainless steel |
| Material display housing | glass |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |

## Functions

| | |
|---|---|
| Sum memory function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Percentage determination | ✓ |
| Density determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically<br>visual |
| Underfloor weighing | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓ |
| Standby function | ✓ |
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 62.000 |
| Smallest piece weight when piece counting - laboratory conditions | 100 mg |
| Smallest piece weight when piece counting - normal conditions | 1 g |
| Reference quantity | 5, 10, 20, 50, 100 |
| Peak function | ✓ |
| Statistic function | ✓ |

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| | |
|---|---|
| Auto-off interval(s) in mains power mode | off |
| Tare function | manual (multi) |
| Number of keys for operation | 4 |

## Interface

| | |
|---|---|
| Interfaces | RS-232 standard<br>USB-Device |

## 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 |
| Input voltage power supply / power [Max] | 100 V - 240 V AC, 50 / 60 Hz |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 12 V; 2 A |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,8 mm |
| Battery capacity | 40 mAh |
| Battery voltage | 3 V |
| Battery – Number of cells | 1 |
| Battery – Individual weight | 0,8 g |
| Battery – Total weight | 0,8 g |
| Battery – Lithium content | 55 mg |
| Battery – Tests passed UN 38.3 | ✓ |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | 15 °C |
| Ambient temperature [Max] | 25 °C |
| Humity of environment [Min] | 15 % |
| Humity of environment [Max] | 80 % |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 60 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

| | |
|---|---|
| Article number for DAkkS calibration | 963-104 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 370×470×340 mm |
| Shipping method | Parcel service |
| Net weight approx. | 3,6 kg |
| Gross weight approx. | 6 kg |
| Shipping weight | 11,8 kg |
| Shipping volume weight | 11,8 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761481930 |
| Trade number | 90160010 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD

### OPTION