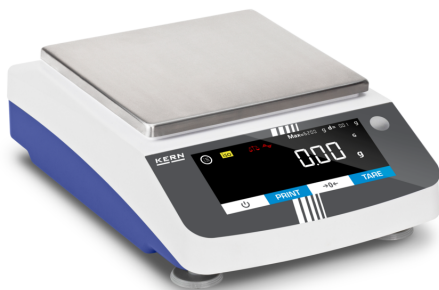


# KERN PDS 6000-2

**KERN**

Precision balance with flexible functionality and touch display



## 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                         |
| 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                         |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 60 g                           |
| Construction type of the scale                 | Single-range balance           |

|                            |         |
|----------------------------|---------|
| Units                      | kg      |
|                            | g       |
|                            | gn      |
|                            | dwt     |
|                            | tl (Tw) |
|                            | ozt     |
|                            | ct      |
|                            | lb      |
|                            | N       |
|                            | oz      |
|                            | 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                                                | ✓                           |
| Auto-off interval(s) in mains power mode                          | off                         |

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Tare function manual (multi)

Number of keys for operation 4

## Interface

Interfaces RS-232 standard  
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  
UK  
US  
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

## Environmental conditions

Ambient temperature [Min] 15 °C

Ambient temperature [Max] 25 °C

Humidity of environment [Min] 15 %

Humidity 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

## Product information

GTIN/EAN number 4045761481930

Trade number 90160010

REACH classification no prohibited substances

## Pictograms

### STANDARD



### OPTION

