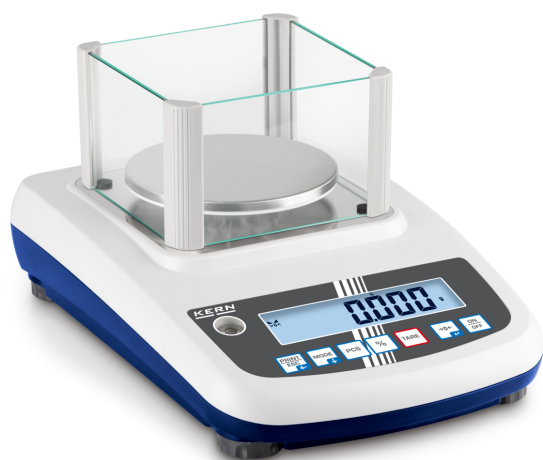


# KERN PFB 600-3

**KERN**

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



## Category

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

## Measuring System

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Weighing system                                | Strain gauge                   |
| Weighing capacity [Max]                        | 600 g                          |
| Readability [d]                                | 0,001 g                        |
| Reproducibility                                | 0,005 g                        |
| Linearity                                      | ± 0,005 g                      |
| Resolution                                     | 600.000                        |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 600 g (E2)                     |
| Possible calibration points                    | 200 g; 400 g; 600 g            |
| Stabilization time                             | 6 s                            |
| Warm-up time                                   | 4 h                            |
| Eccentric loading at 1/3 [Max]                 | 0,004 g                        |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 10 g                           |
| Construction type of the scale                 | Single-range balance           |

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

|                            |       |
|----------------------------|-------|
|                            | lb    |
|                            | oz    |
|                            | ffa   |
|                            | tol   |
|                            | m     |
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |
| Default unit               | g     |

## 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

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| PreTare function                                          | ✓                   |
| Sum memory function                                       | ✓                   |
| Recipe/summing level                                      | Rez A (Net total)   |
| Percentage determination                                  | ✓                   |
| Tolerance weighing                                        | ✓                   |
| Tolerance weighing - type of signal                       | acoustically visual |
| Function for averaging under unstable weighing conditions | ✓                   |
| Capacity - Display                                        | ✓                   |
| Counting function                                         | ✓                   |
| Counting resolution (laboratory conditions)               | 300.000             |

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|                                                                   |                            |
|-------------------------------------------------------------------|----------------------------|
| 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 |
| Hold function                                                     | ✓                          |
| IP protection - display                                           | no IP protection           |
| IP protection - load cell                                         | IP65                       |
| Statistic function                                                | ✓                          |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 5 min                      |
|                                                                   | 2 min                      |
|                                                                   | 1 min                      |
|                                                                   | 30 min                     |
|                                                                   | 60 min                     |
|                                                                   | 30 sec                     |
| Tare function                                                     | manual (multi)             |
| Number of keys for operation                                      | 7                          |

## 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                                                                     |
|                                                                           | UK                                                                       |
|                                                                           | US                                                                       |
|                                                                           | 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                                                |
| 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-Ion                                                                   |
| Battery connection                                                        | 2-pole tub connector                                                     |
| 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  |
| Humidity of environment [Min] | 0 %    |
| 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         | 963-103 |
| 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           |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761476325            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

