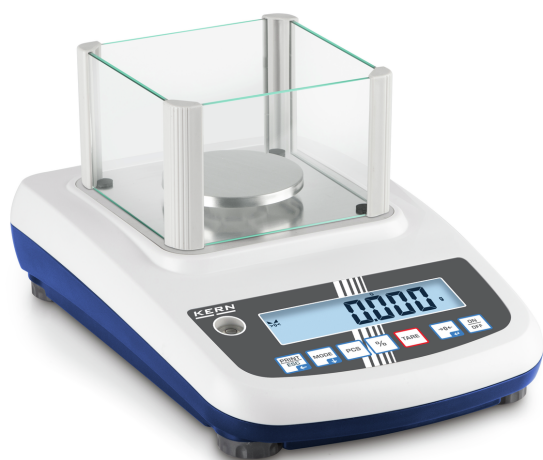


# KERN PFB 120-3

**KERN**

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



ct  
mo  
lb  
oz  
ffa  
tol  
m

## Display

|                                 |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display screen size             | 129 x 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)                       | 80 mm           |
| Dimensions weighing surface                           | 80 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                                          | ✓                      |
| Recipe/summing level                                      | Rez A (Net total)      |
| Percentage determination                                  | ✓                      |
| Tolerance weighing                                        | ✓                      |
| Tolerance weighing - type of signal                       | acoustically<br>visual |
| Function for averaging under unstable weighing conditions | ✓                      |
| Capacity - Display                                        | ✓                      |
| Counting function                                         | ✓                      |
| Counting resolution (laboratory conditions)               | 60.000                 |
| Counting reference weight can be entered                  | ✓                      |

## Category

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

## Measuring System

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Construction type of the scale                 | Single-range balance           |
| Weighing system                                | Strain gauge                   |
| Weighing capacity [Max]                        | 120 g                          |
| Readability [d]                                | 0,001 g                        |
| Reproducibility                                | 0,002 g                        |
| Linearity                                      | ± 0,003 g                      |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 4 g                            |
| Resolution                                     | 120.000                        |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 100 g (F1)                     |
| Possible calibration points                    | 40 g; 80 g; 120 g              |
| Stabilization time                             | 2 s                            |
| Warm-up time                                   | 120 min                        |
| Eccentric loading at 1/3 [Max]                 | 0,004 g                        |
| Maximum creep (15 minutes)                     | 10 mg                          |
| Maximum creep (30 minutes)                     | 20 mg                          |
| Default unit                                   | g                              |

## Units

g  
gn  
dwt  
tl (Tw)  
tl (HK)  
ozt  
tl (Singap, Malays)

# KERN PFB 120-3



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

|                                                                   |                            |
|-------------------------------------------------------------------|----------------------------|
| 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                       |
| 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)<br>(optional, factory)<br>Bluetooth BLE (v4.0)<br>(optional, factory) |
|------------|---------------------------------------------------------------------------------------------------------------|

## Power Supply

|                                                                           |                                   |
|---------------------------------------------------------------------------|-----------------------------------|
| Supplied power supply                                                     | Power supply unit                 |
| Plug-in 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                                |
| Input voltage power supply / power [Max]                                  | CH                                |
|                                                                           | 100 V - 240 V, 50 / 60 Hz         |
| Input voltage device / power [Max]                                        | 12 V, 500 mA                      |
| 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)

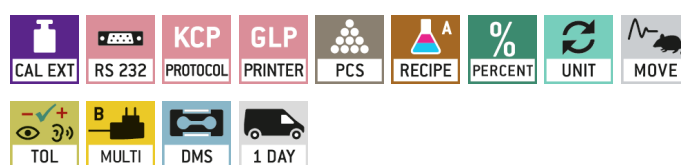
|                                                             |         |
|-------------------------------------------------------------|---------|
| Article number for DAkkS calibration                        | 963-127 |
| Article number for certificate of conformity (verification) | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 380×280×280 mm |
| Net weight                   | 1,228 kg       |
| Shipping method              | Parcel service |
| Net weight approx.           | 1,4 kg         |
| Gross weight approx.         | 2,6 kg         |
| Shipping weight              | 6 kg           |

## Pictograms

### STANDARD



### OPTION



### FACTORY

