

KERN PFB 120-3

KERN

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



| | |
|--------------------------------|-------------------|
| 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 |

Approval

| | |
|---------|---|
| CE mark | ✓ |
|---------|---|

Display

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

Construction

| | |
|-------------------------------------------------------|-----------------|
| Dimension housing (W×D×H) | 210×315×90 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 completely mounted (W×D×H) | 210×315×160 mm |
| Material display housing | Plastics |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Material draught shield | glass |
| Dimensions weighing surface (Ø) | 80 mm |
| Transport safety lock - bolt torque | 0,1 Nm |
| Material load cell(s) | aluminium |
| Levelling feet adjustable | ✓ |

Functions

| | |
|----------------------------------------------------------------|-------------------------|
| Number of keys for operation | 7 |
| | 5 min |
| | 2 min |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 1 min |
| | 30 min |
| | 60 min |
| | 30 sec |
| Capacity - Display | ✓ |
| PreTare function | ✓ |
| Tare function | manual (single & multi) |
| Hold function | ✓ |
| Percentage determination | ✓ |

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 |
| Resolution | 120.000 |
| Linearity | ± 0,003 g |
| Reproducibility | 0,002 g |
| Default unit | g |

| | |
|-------|---------------------|
| Units | g |
| | gn |
| | dwt |
| | tl (Tw) |
| | tl (HK) |
| | ozt |
| | tl (Singap, Malays) |
| | ct |
| | mo |
| | lb |
| | oz |
| | ffa |
| tol | |
| m | |

USP Minimum weight of sample (k = 2, U = 0.1%) 4 g

| | |
|------------------------------|--------------------------------|
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 100 g (F1) |

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| | |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Counting function | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |
| Function for averaging under unstable weighing conditions | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Interfaces | RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) |
| IP protection - display | no IP protection |
| IP protection - load cell | IP65 |

Counting

| | |
|-------------------------------------------------------------------|----------------------------|
| Smallest piece weight when piece counting - laboratory conditions | 2 mg |
| Smallest piece weight when piece counting - normal conditions | 20 mg |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 5, 10, 20, 50, free, Input |
| Counting resolution (laboratory conditions) | 60.000 |

Power Supply

| | |
|---------------------------------------------------------------------------|-----------------------------------|
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max] | 12 V, 500 mA |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Power supply unit |
| 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 |
| Rechargeable battery optional | Rchrg. battery optional (factory) |
| Rechargeable battery charging time | 6,5 h |
| Rechargeable battery operating time - backlight on | 36 h |
| Rechargeable battery operating time - backlight off | 72 h |
| Battery / accumulator type | Li-Ion |

Battery connection 2-pole tub connector

Environmental conditions

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

Packing & Shipping

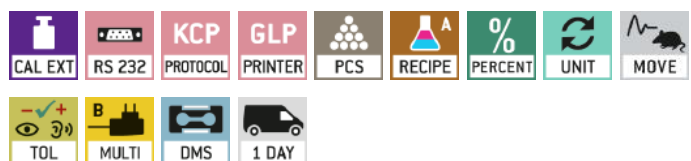
| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 380×280×280 mm |
| Net weight | 1,228 kg |
| Shipping method | Parcel service |
| Net weight approx. | 1,4 kg |
| Gross weight approx. | 2,6 kg |
| Shipping weight | 6 kg |

Services (optional)

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

Pictograms

STANDARD



OPTION



FACTORY

