

KERN 572-37

KERN

All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications



| | |
|--------------------------------|---------|
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,05 g |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |

Approval

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

Display

| | |
|---------------------------------|----------------------------|
| Display type | LCD |
| Display type | 7 segment LED |
| Display screen size | 89×30 mm |
| Display backlight | ✓ |
| Display digit height | 21 mm |
| Languages of the user interface | English Symbol language |

Construction

| | |
|---------------------------------------|-----------------|
| Dimension housing (W×D×H) | 180×310×85 mm |
| Dimensions completely mounted (W×D×H) | 180×310×90 mm |
| Material housing | cast aluminium |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Dimensions weighing surface (Ø) | 150 mm |
| Levelling feet adjustable | ✓ |

Functions

| | |
|--|---|
| Number of keys for operation | 5 |
| Auto-off interval(s) in mains power mode | off |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min 2 min 1 min 30 min 60 min 30 sec |
| PreTare function | ✓ |
| Tare function | manual (multi) |
| Percentage determination | ✓ |
| 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) |
| Underfloor weighing | Hook (optional) |

Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | Precision balance |
| Product family | 572 |

Measuring System

| | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 3000 g |
| Readability [d] | 0,01 g |
| Resolution | 300.000 |
| Linearity | ± 0,05 g |
| Reproducibility | 0,02 g |
| Default unit | g |

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

| | |
|--|--------------------------------|
| USP Minimum weight of sample (k = 2, U = 0.1%) | 40 g |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 2 kg (F1) |
| Possible calibration points | 500 g; 1 kg; 2 kg; 3 kg |
| Stabilization time | 3 s |

KERN 572-37



All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications

| | |
|------------|---|
| Interfaces | RS-232 (optional) Bluetooth (optional) Ethernet (optional) USB-Device (optional) KUP WiFi (optional) |
|------------|---|

Counting

| | |
|---|----------------------------|
| Smallest piece weight when piece counting - laboratory conditions | 10 mg |
| Smallest piece weight when piece counting - normal conditions | 100 mg |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 5, 10, 20, 50, free, Input |
| Counting resolution (laboratory conditions) | 300.000 |

Power Supply

| | |
|---|-----------------------------------|
| Input voltage power supply / power [Max] | 100 V - 240 V AC, 50 / 60 Hz |
| Input voltage device / power [Max] | 5,9V, 1A |
| 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 UK US CH |
| Rechargeable battery optional | Rchrg. battery optional (factory) |
| Rechargeable battery charging time | 8 h |
| Rechargeable battery operating time - backlight on | 24 h |
| Rechargeable battery operating time - backlight off | 48 h |
| Battery / accumulator type | Li-Ion |

Environmental conditions

| | |
|-------------------------------|--------|
| Humidity of environment [Max] | 80 % |
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 400×340×220 mm |
| Net weight | 2,3 kg |
| Shipping method | Parcel service |
| Net weight approx. | 2,4 kg |
| Gross weight approx. | 4,4 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

