

KERN PWS 800-2

KERN

High-resolution precision balance made of stainless steel with IP protection



Category

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

Measuring System

| | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Number of weighing ranges | 1 |
| Weighing system | Tuning fork |
| Weighing capacity [Max] | 820 g |
| Readability [d] | 0,01 g |
| Resolution | 82.000 |
| Linearity | ± 0,01 g |
| Reproducibility | 0,01 g |
| Tare range | 820 g |
| Default unit | g |

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

USP Minimum weight of sample (k = 2, U = 0.1%) 20 g

Adjustment options Adjusting with external weight

| | |
|--------------------------------|------------------------|
| Recommended adjusting weight | 200 g (F1); 500 g (F1) |
| Stabilization time | 3 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,03 g |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |

Zulassung

CE mark ✓

Display

| | |
|---------------------------------|-----------------|
| Display type | LCD |
| Display screen size | 109×27 mm |
| Display backlight | ✓ |
| Display digit height | 16,5 mm |
| Languages of the user interface | Symbol language |

Construction

| | |
|---------------------------------------|-----------------|
| Dimension housing (W×D×H) | 310×205×85 mm |
| Dimensions completely mounted (W×D×H) | 320×205×90 mm |
| Material housing | stainless steel |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Dimensions weighing surface (Ø) | 140 mm |
| Levelling feet adjustable | ✓ |
| Level indicator | ✓ |

Functions

| | |
|--|------------------------|
| Number of keys for operation | 9 |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min |
| Capacity - Display | ✓ |
| PreTare function | ✓ |
| Tare function | manual (multi) |
| Density determination | ✓ |
| 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 | Eye (optional) |
| Interfaces | RS-232 standard |
| IP protection - complete device | IP65 |

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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, 30, 100 |
| Counting resolution (laboratory conditions) | 82.000 |

Power Supply

| | |
|---|---------------------------------|
| Input voltage power supply / power [Max] | 100 V - 240 V AC 50/60 Hz 0,3 A |
| Input voltage device / power [Max] | 5,95 V, 1 A |
| 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 AUS UK US CH |
| Plug-in power supply / adapter for countries - optional | EURO AUS UK US CH |
| Battery | 4×1.5 V AA |
| Battery / accumulator type | Alkali(-Manganese) |
| Battery connection | Battery insert |

Environmental conditions

| | |
|-------------------------------|--------|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 30 °C |
| Humidity of environment [Max] | 80 % |
| Storage temperature [Min] | -20 °C |
| Storage temperature [Max] | 60 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 315×405×225 mm |
| Net weight | 2,808 kg |
| Shipping method | Parcel service |
| Net weight approx. | 3,0 kg |
| Gross weight approx. | 4,2 kg |
| Shipping weight | 5,7 kg |

Services (optional)

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

Pictograms

STANDARD



OPTION

