

# 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

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Weighing system                                | Tuning fork                    |
| Number of weighing ranges                      | 1                              |
| Weighing capacity [Max]                        | 820 g                          |
| Readability [d]                                | 0,01 g                         |
| Reproducibility                                | 0,01 g                         |
| Linearity                                      | ± 0,01 g                       |
| Resolution                                     | 82.000                         |
| Tare range                                     | 820 g                          |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 200 g (F2); 500 g (F2)         |
| Stabilization time                             | 3 s                            |
| Eccentric loading at 1/3 [Max]                 | 0,03 g                         |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 20 g                           |
| Construction type of the scale                 | Single-range balance           |

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

|                            |            |
|----------------------------|------------|
|                            | tol<br>mom |
| Maximum creep (15 minutes) | 100 mg     |
| Maximum creep (30 minutes) | 200 mg     |
| Default unit               | g          |

## Display

|                                 |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display screen size             | 109×27 mm       |
| 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   |
| Dimensions weighing surface (Ø)       | 140 mm          |
| Dimensions weighing surface           | 140 mm          |
| Material housing                      | stainless steel |
| Material weighing plate               | stainless steel |
| Material platform                     | stainless steel |
| Material substructure                 | plastic         |
| Level indicator                       | ✓               |
| Levelling feet adjustable             | ✓               |

## Functions

|                          |                   |
|--------------------------|-------------------|
| PreTare function         | ✓                 |
| Recipe/summing level     | Rez A (Net total) |
| Percentage determination | ✓                 |
| Density determination    | ✓                 |
| Tolerance weighing       | ✓                 |

|                                     |                        |
|-------------------------------------|------------------------|
| Tolerance weighing - type of signal | acoustically<br>visual |
|-------------------------------------|------------------------|

|                     |                |
|---------------------|----------------|
| Underfloor weighing | Eye (optional) |
|---------------------|----------------|

|                                                           |   |
|-----------------------------------------------------------|---|
| Function for averaging under unstable weighing conditions | ✓ |
|-----------------------------------------------------------|---|

|                    |   |
|--------------------|---|
| Capacity - Display | ✓ |
|--------------------|---|

|                   |   |
|-------------------|---|
| Counting function | ✓ |
|-------------------|---|

|                                             |        |
|---------------------------------------------|--------|
| Counting resolution (laboratory conditions) | 82.000 |
|---------------------------------------------|--------|

|                                          |   |
|------------------------------------------|---|
| Counting reference weight can be entered | ✓ |
|------------------------------------------|---|

|                                                                   |       |
|-------------------------------------------------------------------|-------|
| Smallest piece weight when piece counting - laboratory conditions | 10 mg |
|-------------------------------------------------------------------|-------|

|                                                               |        |
|---------------------------------------------------------------|--------|
| Smallest piece weight when piece counting - normal conditions | 100 mg |
|---------------------------------------------------------------|--------|

|                    |                |
|--------------------|----------------|
| Reference quantity | 5, 10, 30, 100 |
|--------------------|----------------|

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

|                                                                |                |
|----------------------------------------------------------------|----------------|
| IP protection - complete device                                | IP65           |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 3 min          |
| Tare function                                                  | manual (multi) |
| Number of keys for operation                                   | 9              |

## Interface

|            |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |
|------------|-----------------|

## 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 |
|                                                                           | AUS  |
|                                                                           | 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 AC 50/60 Hz 0,3 A |
|------------------------------------------|---------------------------------|

|                              |           |
|------------------------------|-----------|
| Power supply cable removable | removable |
|------------------------------|-----------|

|                                    |             |
|------------------------------------|-------------|
| Input voltage device / power [Max] | 5,95 V, 1 A |
|------------------------------------|-------------|

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm |
|                                |                                                                           |

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

## Approval

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

## Services (optional)

|                                      |         |
|--------------------------------------|---------|
| Article number for DAkkS calibration | 963-127 |
|--------------------------------------|---------|

|                                              |         |
|----------------------------------------------|---------|
| Article number for certificate of conformity | 969-517 |
|----------------------------------------------|---------|

## Packing & Shipping

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

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761311275            |
| Trade number         | 90160010                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

