# KERN **PLS 8000-2A**

High-quality precision scale with comfortable graphic display and enormous weighing range

## Category

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

## Measuring System

| | |
|---|---|
| Weighing system | Force compensation |
| Weighing capacity [Max] | 8200 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 20 g |
| Readability [d] | 0,01 g |
| Reproducibility | 0,01 g |
| Linearity | ± 0,04 g |
| Resolution | 820.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 8 kg (E2) |
| Possible calibration points | 1 kg; 2 kg; 3 kg; 4 kg; 6 kg; 8 kg |
| Stabilization time | 4 s |
| Eccentric loading at 1/3 [Max] | 0,05 g |
| Weighing capacity [Max] (ct) | 41000 ct |
| Construction type of the scale | Single-range balance |
| Units | g<br>gn<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>H0<br>Grams/Liter |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |
| Default unit | g |
| Readability carat [d] (ct) | 0,1 ct |

## Display

| | |
|---|---|
| Display type | LCD graphic |
| Display backlight | ✓ |
| Display screen size | 132×38 mm |
| Display digit height - smallest digit | 4 mm |
| Display digit height | 15 mm |
| Languages of the user interface | English |

## Construction

| | |
|---|---|
| Dimension housing (W×D×H) | 210×340×120 mm |
| Dimensions completely mounted (W×D×H) | 210×340×120 mm |
| Dimensions weighing surface (Ø) | 160 mm |
| Dimensions weighing surface | 160 mm |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | stainless steel |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |

## Functions

| | |
|---|---|
| PreTare function | ✓ |
| Recipe/summing level | Rez B (Net-total, memory with plain text designations + setpoint, also for printout) |
| Recipe weighing - number of database entries | 99 |
| Recipe weighing - number of ingredients per database entry | 20 |
| Percentage determination | ✓ |
| Density determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically<br>visual |
| Underfloor weighing | Eye (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓ |
| Time display | ✓ |
| Capacity - Display | ✓ |
| Standby function | ✓ |

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| | |
|---|---|
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 820.000 |
| 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 | 10, 25, 50, 100, input |
| Auto-off interval(s) in mains power mode | off<br>5 min<br>2 min<br>15 min |
| Tare function | manual (multi) |
| Number of keys for operation | 6 |

## 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<br>AUS<br>UK<br>US<br>CH |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 24 V 1 A |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,5 mm |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | 15 °C |
| Ambient temperature [Max] | 35 °C |
| Humity of environment [Max] | 80 % |
| Storage temperature [Max] | 40 °C |

## Approval

| | |
|---|---|
| CE mark | ✓ |

## Services (optional)

| | |
|---|---|
| Article number for DAkkS calibration | 963-104 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 500×360×420 mm |
| Shipping method | Parcel service |
| Net weight approx. | 4,8 kg |
| Gross weight approx. | 7 kg |
| Shipping weight | 15,1 kg |
| Shipping volume weight | 15,1 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761243347 |
| Trade number | 90160010 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD

### OPTION