

KERN PLJ 4200-2F

Range of precision balances with enormous weighing capacities – ideal for heavy tare containers or large samples



Category

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

Measuring System

| | |
|---|--------------------------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 4200 g |
| Weighing capacity [Max] (ct) | 21000 ct |
| Readability [d] | 0,01 g |
| Reproducibility | 0,02 g |
| Linearity | ± 0,04 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 40 g |
| Resolution | 420.000 |
| Tare range | 4200 g |
| Adjustment options | Internal calibration (automatic) |
| Automatic adjustment - Standard temperature deviation | 1,2 °C |
| Stabilization time | 3 s |
| Warm-up time | 4 h |
| Eccentric loading at 1/3 [Max] | 0,04 g |
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 mg |
| Default unit | g |
| Units | g gn dwt tl (Tw) tl (HK) |

| |
|---------------------|
| ozt |
| tl (Singap, Malays) |
| ct |
| mo |
| lb |
| oz |

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 | ✓ |
| Transport safety lock - bolt torque | 0,1 Nm |

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 visual |
| Underfloor weighing | None |
| Function for averaging under unstable weighing conditions | ✓ |
| Time display | ✓ |
| Capacity - Display | ✓ |
| Standby function | ✓ |

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| | |
|---|---|
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 84.000 |
| Counting reference weight can be entered | ✓ |
| Smallest piece weight when piece counting - laboratory conditions | 50 mg |
| Smallest piece weight when piece counting - normal conditions | 500 mg |
| Reference quantity | 10, 25, 50, 100, n (any number of pieces) |
| Auto-off interval(s) in mains power mode | off 5 min 2 min 15 min |
| Tare function | manual (multi) |
| Number of keys for operation | 6 |

Interface

| | |
|----------------------------------|---|
| Interfaces | RS-232 standard |
| EasyTouch (ET) - Connection type | über alle verfügbare Schnittstellen möglich |

Power Supply

| | |
|---|-------------------------------|
| Supplied power supply | Power supply unit |
| Plug-in 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 UK US CH |
| Input voltage power supply / power [Max] | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max] | 9 V DC, 1000 mA |

Environmental conditions

| | |
|-------------------------------|-------|
| Ambient temperature [Min] | 15 °C |
| Ambient temperature [Max] | 35 °C |
| Humidity of environment [Max] | 80 % |
| Storage temperature [Max] | 40 °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) | 500×360×420 mm |
| Shipping method | Parcel service |
| Net weight approx. | 5,0 kg |
| Gross weight approx. | 8 kg |
| Shipping weight | 15,1 kg |

Pictograms

STANDARD



OPTION

