

KERN PLS 420-3F

KERN

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



| | |
|--------------------------------|---------|
| Possible calibration points | 400 g |
| Stabilization time | 3 s |
| Warm-up time | 4 h |
| Eccentric loading at 1/3 [Max] | 0,004 g |
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |

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

| Display | |
|---------------------------------------|-------------|
| Display type | LCD graphic |
| Display screen size | 132×38 mm |
| Display backlight | ✓ |
| 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 ring-shaped draught shield - inner (Ø×H) | 150×60 mm |
| Dimensions ring-shaped draught shield - outer (Ø×H) | 160×70 mm |
| Dimensions completely mounted (W×D×H) | 210×340×160 mm |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Material draught shield | glass |
| Dimensions weighing surface (Ø) | 110 mm |
| Levelling feet adjustable | ✓ |

| Functions | |
|--|---------------------------------|
| Number of keys for operation | 6 |
| Auto-off interval(s) in mains power mode | off 5 min 2 min 15 min |
| Capacity - Display | ✓ |
| Time display | ✓ |
| Tare function | manual (multi) |
| Density determination | ✓ |
| Percentage determination | ✓ |
| Counting function | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |

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

| Measuring System | |
|--------------------------------|----------------------|
| Construction type of the scale | Single-range balance |
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 420 g |
| Weighing capacity [Max] (ct) | 2100 ct |
| Readability [d] | 0,001 g |
| Readability carat [d] (ct) | 0,01 ct |
| Resolution | 420.000 |
| Linearity | ± 0,004 g |
| Reproducibility | 0,001 g |
| Default unit | g |

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

| | |
|--|--------------------------------|
| USP Minimum weight of sample (k = 2, U = 0.1%) | 2 g |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 400 g (E2) |

KERN PLS 420-3F



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

| | |
|--|--|
| Function for averaging under unstable weighing conditions | ✓ |
| Standby 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 |
| Sum memory function | ✓ |
| Underfloor weighing | Eye (included in delivery) |
| Interfaces | RS-232 standard |

Counting

| | |
|---|---|
| Smallest piece weight when piece counting - laboratory conditions | 5 mg |
| Smallest piece weight when piece counting - normal conditions | 50 mg |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 10, 25, 50, 100, n (any number of pieces) |
| Counting resolution (laboratory conditions) | 84.000 |

Power Supply

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

Environmental conditions

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

Packing & Shipping

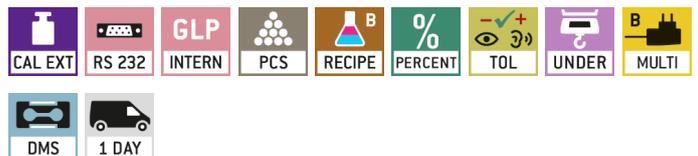
| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 500×360×420 mm |
| Net weight | 3,2 kg |
| Shipping method | Parcel service |
| Net weight approx. | 3,2 kg |
| Gross weight approx. | 4,4 kg |
| Shipping weight | 15,1 kg |

Services (optional)

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

Pictograms

STANDARD



OPTION

