

KERN ALJ 160-4A



Analytical balance with high weighing capacity, graphic display and convenient recipe function



| Category | |
|------------------|---------------------|
| Brand | KERN |
| Product category | Laboratory balances |
| Product group | Analytical balances |

| Measuring System | |
|---|---|
| Readability [d] | 0,0001 g |
| Readability carat [d] (ct) | 0,001 ct |
| Weighing capacity [Max] | 160 g |
| Weighing capacity [Max] (ct) | 800 ct |
| Eccentric loading at 1/3 [Max] | 0,0003 g |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 mg |
| Reproducibility | 0,0001 g |
| Linearity | ± 0,0003 g |
| Weighing system | Force compensation |
| Resolution | 1.600.000 |
| Units | g mg gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz |
| Default unit | g |
| Stabilization time | 4 s |
| Warm-up time | 8 h |
| Adjustment options | Internal calibration (automatic) |
| Recommended adjusting weight | 150 g (E2) |
| Possible calibration points | 150 g |
| Automatic adjustment - Standard temperature deviation | 1,2 °C |
| Automatic adjustment - Standard time interval | 3 h |

Approval

| | |
|-----------------|------------------------------|
| CE mark | ✓ |
| Accuracy classe | I (without pattern approval) |

Display

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

Construction

| | |
|---|-----------------|
| Dimension housing (W×D×H) | 210×340×330 mm |
| Dimensions completely mounted (W×D×H) | 210×340×330 mm |
| Dimensions rectangular draught shield - inner (W×D×H) | 160×170×225 mm |
| Dimensions rectangular draught shield - outer (W×D×H) | 172×185×245 mm |
| Dimensions weighing surface (Ø) | 80 mm |
| Material housing | plastic |
| Material display housing | Plastics |
| Material weighing plate | stainless steel |
| Material platform | Stainless steel |
| Material draught shield | glass |
| 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 | ✓ |
| PreTare function | ✓ |
| Tare function | manual (multi) |
| Density determination | ✓ |
| Dispensing function | ✓ |
| Percentage determination | ✓ |
| Counting function | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically visual |
| 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) |

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| | |
|--|-----------------|
| Recipe weighing - number of database entries | 99 |
| Recipe weighing - number of ingredients per database entry | 20 |
| Underfloor weighing | None |
| Interfaces | RS-232 standard |

Counting

| | |
|---|---|
| Smallest piece weight when piece counting - laboratory conditions | 1 mg |
| Smallest piece weight when piece counting - normal conditions | 10 mg |
| Counting reference weight can be entered | ✓ |
| Reference quantity | 10, 25, 50, 100, n (any number of pieces) |
| Counting resolution (laboratory conditions) | 160.000 |

Power Supply

| | |
|---|-------------------|
| Input voltage power supply / power [Max] | country dependent |
| Input voltage device / power [Max] | 24 V 1 A |
| Plug-in power supply type | Power adapter |
| Supplied plug-in 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] | 5 °C |
| Ambient temperature [Max] | 35 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Shipping method | Parcel service |
| Dimensions packaging (W×D×H) | 400×515×615 mm |
| Net weight approx. | 7 kg |
| Gross weight approx. | 9 kg |

Services (optional)

| | |
|---|---------|
| Article number for DAkkS calibration | 963-101 |
| Article number for certificate of conformity (verification) | 969-517 |

Piktogramme

STANDARD



OPTION

