

KERN DBS 60-3

Moisture analyzer with high-quality single-cell weighing system for outstanding stability, reliability and response speed



| | |
|---------------------------------------|----------------|
| Reproducibility weight of sample 10 g | 0,02% |
| Maximum creep (15 minutes) | 10 mg |
| Maximum creep (30 minutes) | 20 mg |
| Sample - Moisture content | 0,1% - 100% |
| Sample - Dry content | 100% - 0,1% |
| Default unit | g |
| Temperature calibration points | 100 °C; 180 °C |
| Readability moisture [d] (%) | 0,01% |

Display

| | |
|---------------------------------------|---------|
| Display type | graphic |
| Display backlight | ✓ |
| Display digit height - smallest digit | 5 mm |
| Display digit height | 15 mm |

Construction

| | |
|---------------------------------------|-------------------------|
| Dimensions completely mounted (W×D×H) | 204×336×167 mm |
| Dimensions weighing surface (Ø) | 95 mm |
| Dimensions weighing surface | 95 mm |
| Material housing | cast aluminium, plastic |
| Material weighing plate | stainless steel |
| Material display housing | cast aluminium |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Heat generation capacity (W) | 400 |

Functions

| | |
|--|--|
| Standby function | ✓ |
| Drying modes | Standard drying Rapid drying Gentle drying Drying in levels |
| Memory - number of drying programs | 10 |
| Switch-off criteria | time controlled automatic manual |
| Memory function | ✓ |
| Memory - number of results | 100 |
| Memory - number of sample (descriptions) | 99 |
| Tare function | manual (multi) |
| Number of keys for operation | 11 |

Category

| | |
|------------------|--------------------|
| Brand | KERN |
| Product category | Laboratory balance |
| Product group | Moisture analyzer |
| Product family | DBS |

Measuring System

| | |
|--|---|
| Reproducibility weight of sample 2 g | 0,15% |
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 60 g |
| Readability [d] | 0,001 g |
| Reproducibility | 0,001 g |
| Linearity | ± 0,003 g |
| Resolution | 60.000 |
| Tare range | 60 g |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 50 g (F1) |
| Possible calibration points | 50 g |
| Stabilization time | 3 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,002 g |
| Temperature increment | 1 °C |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 2 g |
| Construction type of the scale | Single-range balance |
| Units | g % Humidity % Dry mass % ATRO |
| Temperature [Min] (°C) | 50 °C |
| Temperature [Max] (°C) | 200 °C |

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Interface

| | |
|------------|-------------------------------|
| Interfaces | RS-232 standard USB-Device |
|------------|-------------------------------|

Power Supply

| | |
|---|-------------------------|
| Supplied power supply | Power supply unit |
| Power supply type | Built-in power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Plug-in power supply / adapter for countries - optional | UK CH |
| Input voltage power supply / power [Max] | 220 V - 240 V AC, 50 Hz |
| Input voltage device / power [Max] | 220V -240V AC, 50Hz |
| Power socket for mains adapter | Power supply cable |

Environmental conditions

| | |
|-------------------------------|--------|
| Ambient temperature [Min] | 5 °C |
| Ambient temperature [Max] | 40 °C |
| Humidity of environment [Min] | 5 % |
| Humidity of environment [Max] | 85 % |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 50 °C |

Approval

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

Services (optional)

| | |
|--|---------|
| Article number for DAkkS calibration | 963-127 |
| Article number for factory calibration (temperature) | 964-305 |
| Article number for certificate of conformity | 969-517 |

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 347×470×373 mm |
| Shipping method | Parcel service |
| Net weight approx. | 4,6 kg |
| Gross weight approx. | 7 kg |
| Shipping weight | 12,2 kg |

Product information

| | |
|----------------------|--------------------------|
| GTIN/EAN number | 4045761124226 |
| REACH classification | no prohibited substances |

Pictograms

STANDARD



OPTION

