

Moisture analyser KERN DBS



Modern moisture analyser with 10 memories and graphic display

STANDARD



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| KERN | DBS 60-3 |
|---|--|
| Readout [d] | 0,001 g / 0,01 % |
| Weighing range [Max] | 60 g |
| Reproducibility, weight of sample 2 g | 0,15 % |
| Reproducibility, weight of sample 10 g | 0,02 % |
| Display after drying (Display can be switched over at any time) | |
| Moisture [%] = Weight loss (WL) from SW (startweight) | 0 - 100 % |
| Dry mass [%] = Residual weight (RW) from SW | 100 - 0 % |
| ATRO [%] [(SG-RG) : RG] · 100% | 100 - 999 % |
| ATRO [%] (SG : RG) · 100% | 0 - 999 % |
| Weight loss [g] (WL) | Absolute value in [g] |
| Temperature range | 50 °C - 200 °C in steps up to 1 °C |
| Drying modes | <ul style="list-style-type: none"> Standard drying Drying in levels Gentle drying Pre-heat level, can be switched on |
| Switch off criteria | <ul style="list-style-type: none"> When the set time has expired 1 min - 4 h When the weight loss per unit of time falls below the target value (30 sec) |
| Recall of measurement | Interval can be set from 1 sec - 10 min (Only when used with printer KERN YKB-01 or PC) |
| Overall dimensions WxDxH | 202x336x157 mm |
| Net weight | approx. 4,2 kg |
























Features

- **Halogen quartz glass heater** 400 W
- Backlit LCD display, digit height 14 mm
- **2** Previous drying time
- **3** Current temperature
- **4** Unit for displaying the results
- **5** Current moisture content in %
- **6** Drying mode/Status display drying
- **Observation window over the sample**, useful during initial adjustment
- **Internal memory** for automatic sequence of 10 drying programs and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- **Sample description** for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- **Date and time display** as standard
- **10 sample plates included**
- **Table of applications:** There are many practical examples in the operating instructions

Options

- **Sample plates aluminium**, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02
- **7 Temperature calibration set** consists of measuring sensor and display device, KERN DBS-A01
- **USB interface** (interface cable, driver and software Balance Connection included), KERN DBS-A02
- **Matrix needle printer**, KERN 911-013
- **Thermal printer**, KERN YKB-01N

KERN Pictograms

| | | |
|---|---|--|
|  Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven). |  Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required. |  Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details. |
|  Rechargeable battery pack: rechargeable set. |  Power supply: integrated in balance. 230V/50Hz in Germany. On request GB, AUS or USA version. |  Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version. |
|  Battery operation: The battery type is specified for each device. |  Piece counting: Reference quantities selectable. Display can be switched from piece to weight |  Spray and dust protection IPxx The type of protection is shown by the pictogram. For details see the glossary. |
|  Data interface: The type of interface is shown by the pictogram. See the glossary for further details. |  GLP/ISO record keeping of weighing data with date, time and identification-no. Only with printers from KERN. |  Tare: put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container. |
|  Dynamic weighing: Strong vibrations are filtered out to determine a stable weighing result. |  Stainless steel: the balance is protected against corrosion. |  Warranty: The warranty period is shown in the pictogram. |
|  Net-total weighing: weight of tare cup and weight of components memorized in two separate stores. |  Suspended weighing: load support with hook on the underside of the balance. |  Verification possible: The time required for verification is specified in the pictogram. |
|  Percentage determination: Determining the deviation in % from the target value (100%). |  Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting. |  DKD calibration possible: The time required for DKD calibration is specified in the pictogram. |
|  Package shipment via courier. |  Pallet shipment via freight forwarder. | [DMS] For details on weighing technologies, see the glossary. |

Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, and M3 with weights from 1 mg to 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.
(DKD = German Calibration Service)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

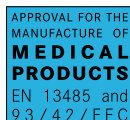
Range of services:

- DKD calibration of balances with a maximum load of up to 6000 kg
- DKD calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DKD calibration certificates in the following languages
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer:

KERN – Professional measuring. Measuring technology and testing services from a single source



German Excellence Group
Member