### **BALANCES & TEST SERVICE 2024**

# M.C. TEC KERN

**Moisture Analyser** 

#### Moisture Analyser KERN DLB



## Moisture analyser with intuitive graphic display and step-by-step user guidance in 6 languages

4 Select shut-off criteria

**5** Setting to zero/taring

During measurement:

7 Current temperature

Current heating profile

Abort drying process

11 Stop drying process

9 Active switch-off criteria

Display current drying parameters

**I** Toggle the unit for displaying the results

6 Stand-by

#### Features

- Rapid and efficient operation thanks to the graphics display
- Backlit LCD graphic display, digit height 11 mm
- 6 direct keys for rapid access to the main functions

#### Home screen:

- 1 Main menu
- 2 Start drying process
- **3** Select drying temperature

| STANDARD |          |         |      |       |     |       | OPTION  |
|----------|----------|---------|------|-------|-----|-------|---------|
|          | • 6880 • | GLP     | C    | -=    |     |       | DAkkS   |
| CAL EXT  | RS 232   | PRINTER | UNIT | 230 V | DMS | 1 DAY | +3 DAYS |

| KERN  | DLB 160-3A  |  |  |  |
|---|---|--|--|--|
| Readability [d] Weight/Moisture (%)           | 0,001 g / 0,01%   |  |  |  |
| Weighing capacity [Max]                       | 160 g   |  |  |  |
| Reproducibility weight of sample 2 g*         | 0,15%   |  |  |  |
| Reproducibility weight of sample 10 g*        | 0,05%   |  |  |  |
| Display after drying (Display can be switched | d over at any time)   |  |  |  |
| Moisture [%] = Moisture content (M)           | 0 - 100 %   |  |  |  |
| from wet weight (W)                           | 0 100 //  |  |  |  |
| Dry content [%] = Dry weight (D) from W       | 100 - 0 %   |  |  |  |
| ATRO [%] [(W-D) : D] · 100 %                  | 0 - 999 %   |  |  |  |
| Moisture content (M)                          | Absolutwert in [g]  |  |  |  |
| Temperature range (in steps up to)            | 35 °C - 160 °C (1 °C)   |  |  |  |
| Driving modes                                 | J ■ Standard drying   |  |  |  |
|   |   |  |  |  |
|   | Automatic unrestricted switch-off                               |  |  |  |
| Switch-off criteria                           | (Selectable loss in weight 1 mg/30 s-10 mg/30 s)                |  |  |  |
| Switch-on criteria                            | <ul> <li>Time controlled switch-off (1 min – 99 min)</li> </ul> |  |  |  |
|   | Manual switch-off at the press of a button                      |  |  |  |
| Log output                                    | Interval adjustable (5 s - 250 s)                               |  |  |  |
| Overall dimensions W×D×H                      | 240×365×180 mm  |  |  |  |
| Net weight                                    | 4,82 kg   |  |  |  |
| Price excl. of VAT ex works €                 |   |  |  |  |
| Option DAkkS Calibr. Certificate Mass         | KERN 963-127  |  |  |  |
| Option DAkkS Calibr. Certificate Temperature  | KERN 964-305  |  |  |  |
| * application-dependent                       | ONLY WHILE STOCKS LAST  |  |  |  |









#### At the end of the measurement:

- M Exit drying program
- 15 Print measurement report
- 16 (De)activate, edit GLP parameters
- 17 Display detailed result
- Toggle the unit for displaying the results
- 400 W halogen-quartz glass heater
  User guidance in 6 languages
- (DE, EN, FR, IT, ES, PT)
- Automatic taring when starting a measurement by closing the lid
- The last value measured remains on the display until it is replaced by a new measurement
- Internal GLP; printout of balance ID, project ID, user ID, values determined by the drying process etc.
- 10 sample plates included
- Protective working cover included with delivery
- Application handbook: In the download centre you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

#### Accessories

- Protective working cover, scope of delivery
   5 items, KERN ALJ-A01S05
- Sample plates aluminium, Ø 90 mm, unit of 80 pieces, KERN MLB-A01A
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN RH-A02
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN YMF-A01
- Temperature calibration set consists of measuring sensor and display device KERN DLB-A01N.
- Thermal printer, KERN YKB-01N
- Matrix needle printer, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013

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#### **KERN Pictograms**





Analogue interface to connect a suitable peripheral device for analogue processing of the measurements



Weighing with tolerance range (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model



principle with the highest

level of precision

## **Conformity Assessment**

The time required for conformity assessment is specified in the pictogram

#### **DAkkS** calibration

possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram



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Factory calibration (ISO) The time required for

Factory calibration is shown in days in the pictogram

#### Package shipment

The time required for internal shipping preparations is shown in days in the pictogram

#### Pallet shipment

The time required for internal shipping preparations is shown in days in the pictogram



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