



Standard

CAL EXT **Adjusting program (CAL):** For quick setting of the balance's accuracy. External adjusting weight required.

PC IT-Net **Data interface:** The type of interface is shown by the pictogram. For a definition, see page 85.

GLP **GLP/ISO record keeping** of weighing data with date, time and ident.-no. Only with printers from KERN, see page 85.

230 V **Power supply:** integrated in balance. 230V/50Hz in Germany. On request GB, AUS or USA version.

KERN MRS

Moisture analyzer

Perfect drying with numerous functions and options

Order Hotline:
Go to back page of catalogue

STANDARD



Table of applications
There are many practical examples in the operating instructions



30 sample plates included

Sample plates made of aluminium, Ø 92 mm. Pack of 80, KERN MLB-A01



Temperature calibration set consists of measuring sensor and analysis box, KERN MRS-A01



Halogen quartz glass heater
400 W



Observation window over the sample, useful during initial adjustment

CAL EXT **Adjustment program CAL** External test weights available at an additional price



Standard printer KERN YKB-01 For all printers see page 85

Measurement recall interval adjustment of 0,1 – 10 min with automatic number sampling. Only in combination with YKB-01 or PC

4 displays for results in % or g, heating mode, temperature and time

Protective working cover over the keypad, standard. Can be reordered, KERN PR-A25

The last measured value remains on display until overwritten by a new value

Round fiberglass filters, e.g. for samples that splash or become encrusted. Pack of 80, KERN RH-A02

Technical data

Readout **d** 0.001 g or 0.01 %
Weighing range **Max** = maximum weight of sample 124 g
Reproducibility weight of sample 2 g 0.2 %
Reproducibility weight of sample 10 g 0.02 %

Display after drying * SG = Starting weight [g]
Moisture [%] = weight loss (GV) from SG* 0 - 100 %
Dry mass [%] = residual weight (RG) from SG* 100 - 0 %
ATRO [%] (SG : RG) · 100% 100 - 999 %
ATRO [%] [(SG - RG) : RG] · 100% 0 - 999 %
Weight loss [g] (GV) Absolute value in [g]
Residual weight [g] (RG) Absolute value in [g]

Heating/temperature setting

Temperatur range 30 - 230°C in steps up to 1°C
 Pre-heat level 0.1 - 99 min
 Standard drying
 Gentle drying, final temperature reached after 4 min

Switch off criteria

When the set time has expired 0.1 - 240 min
When constant weight has been achieved
When loss in weight per unit of time falls below the target value, both values can be adjusted [g/min] oder [%/min]

Extended functions

- Balance internal memory for the automatic processing of 20 complete drying processes.
- Net weighing assistance to a defined target value [g] with adjustable tolerance range
- Internal clock for date and time as standard
- Simple "step-by-step" user guidance in the display in the following languages: German, English, French

KERN MRS 120-3

36 Overall dimensions WxDxH 210x340x170 mm. Net weight approx. 6.3 kg.

KERN – Your DKD-Calibration Partner

issues DKD calibration certificates for balances and test weights in its own accredited laboratories. It is internationally valid.

KERN is a manufacturer of test weights in the international classes of accuracy **E1, E2, F1, F2, M1, M2, M3, from 1 mg up to 2000 kg**
DKD = German Calibration Service



Your KERN specialist dealer