

KERN MRS Moisture analyzer

Perfect drying with numerous
functions and options

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, € 25,-



Temperature calibration set consists of measuring sensor and analysis box,
KERN MRS-A01, € 530,-

4 displays

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

Round fiberglass filters,

e.g. for samples that splash or become encrusted. Pack of 80,
KERN RH-A02, € 45,-

Protective working cover

over the keypad, standard.
Can be reordered,
KERN PR-A25, € 10,-

The last measured value

remains on display until overwritten by a new value

Halogen quartz glass heater
400 W

Delivery
1 day

3
Years warranty

Force compensation

Observation window

over the sample, useful during initial adjustment



Adjustment program CAL

External test weights available at an additional price



Standard printer

KERN YKB-01, € 270,-
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

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 Price excluding VAT ex works € 2600,-

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