

# Moisture analysers KERN MLB-C · MLS-C



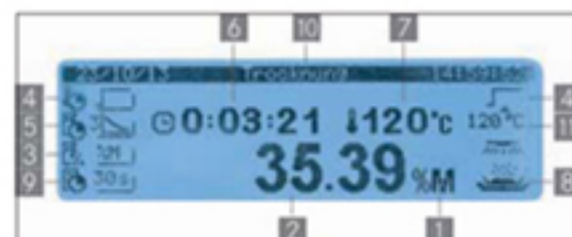
KERN MLB-C



KERN MLS-C



KERN MLB-C



KERN MLS-C

## Moisture analysis in an instant: Infrared moisture analyser with graphic display and a high capacity memory

### Features

- Backlit graphic display, digit height 14 mm
- **Infrared heater** 400 W
- **Internal memory** for automatic run of complete drying programs (MLB-C: 20, MLS-C: 100) and 100 drying processes already executed (only MLS-C), which can be called up individually
- The last value measured remains on the display until it is replaced by a new measurement

- The large ventilation slots in the heating cover combined with the sample viewing window in form of a metal grid, ensure that moisture exhausts quickly which leads to shorter drying times
- Drying programs with optimised drying characteristics for rapid sample warming and therefore shorter drying times
- **10 sample plates included**
- **Application handbook:** There are many practical examples in the user manual

- Unit of the shown result, e.g. moisture [%]
- Current moisture content in %
- Printout in moisture %
- Drying mode *Standard*
- Switch off criteria
- Previous drying time
- Current temperature
- Drying process active

### only MLS-C:

- Printer interval 30 sec
- Status bar
- Target temperature

### in addition with KERN MLS-C:

- **Simple „step-by-step“ user guidance in the display** in the following languages DE, GB, FR, IT, ES, PL
- Graphic display of the drying curve shows the progress of the drying process in real time and can be used by the operator to check and evaluate the result
- **Practical weighing assistance** to arrive at a defined target value [g] with an adjustable tolerance range of 1 - 25 % of the target value

### Accessories

- **Sample plates aluminium**, Ø 92 mm. Box with of 80 pieces, KERN MLB-A01
- **Round fiberglass filter** e. g. for samples that splash or become encrusted. Box with of 80 pieces, KERN RH-A02
- **Temperature calibration set** consists of measuring sensor and display device, KERN MLB-A12
- **Protective working cover** standard, can be retrofitted, KERN ALS-A02
- **Thermal printer**, KERN YKB-01N

### STANDARD



### OPTION



KERN	MLB 50-3C	MLS 50-3C
Readout [d]	0,001 g / 0,01 %	
Weighing range [Max]	50 g	
Reproducibility, weight of sample 2 g	0,24 %	
Reproducibility, weight of sample 10 g	0,04 %	
Display after drying (Display switchable at all times)		
Moisture [%] = Moisture content (M) from wet weight (W)	0 - 100 %	
Dry content [%] = Dry weight (D) from (W)	100 - 0 %	
ATRO [%] [(W-D):D] · 100%	0 - 999 %	
Residual weight [g]	Absolute value in [g]	
Temperature range	40 °C - 160 °C in steps of 1 °C	
Drying modes	Standard drying    Gentle drying Gradual drying    Rapid drying	
Switch off criteria	<ul style="list-style-type: none"> <li>• When the set time has expired (1 min - 9 h 59 min)</li> <li>• When a constant weight per adjustable time unit has been reached (10 - 120 sec)</li> </ul>	<ul style="list-style-type: none"> <li>• When the set time has expired (1 min - 99 h 59 min)</li> <li>• When loss in weight per unit of time falls below the target value, both values freely programmable ([mg/sec])</li> </ul>
Call up of measurement, interval adjustable	1 - 180 sec (only in connection with KERN YKB-01N printer or PC)	1 - 300 sec
Overall dimensions WxDxH	206x333x192 mm	
Net weight	approx. 5,1 kg	