

MOISTURE METER

PCE-MA 110



- » **Weighing range: 0.01 g ... 110 g**
- » **Weighing resolution or readability: 0.01 g / 10 mg**
- » **Moisture content measuring range: 0 ... 100%**
- » **Moisture content resolution or readability: 0.1%**
- » **Adjustable drying time and temperature**
- » **Memory stores up to 16 drying profiles**
- » **RS-232 interface or port**
- » **Automatic calibration function**
- » **100 g calibration weight included**
- » **Large, easy-to-read LCD screen**
- » **9 membrane keys for user-friendly operation**

PCE-MA 110 is a halogen moisture meter or analyzer that functions on the gravimetric or loss on drying (LOD) principle. The moisture analyzer uses the halogen method to dry the material sample. Moisture content is calculated based on the weight difference before and after the drying procedure. The moisture analyzer's halogen-heated drying chamber is suitable for the testing and analysis of samples of materials such as wood, pellets, biomass, granules, feed, food products and pastes.

Thanks to an impressive resolution or readability of 0.01 g / 10 mg, the moisture analyzer can determine the smallest weight differences. The moisture analyzer also covers the full moisture content range, from 0 ... 100%, with a moisture content resolution or readability of 0.1%. Measurement values are displayed clearly on the large, easy-to-read LCD screen.

The moisture analyzer features an adjustable drying time (1 ... 99 minutes) and an adjustable drying temperature (+40 ... +199 °C). Up to 16 different drying profiles or programs can be stored to the memory of the moisture analyzer, ensuring a controlled, repeatable testing process for accurate results time after time. Calibration of the moisture analyzer can be performed at any time using the automatic calibration function and the included 100 g weight.

Specification

Absolute moisture

Measuring range 0 ... 100 %

Resolution 0,1 %

Weighing range

Measurement range up to [Max] 110 g

Resolution [d] 0,01 g

Accuracy 0.03 g

General technical data

Display type LCD with backlight

Digit size [WxH] H: 17 mm

Storage capacity 15 Programs

Interface RS232

Heating element Halogen light

Heating temperature 40 ... 199 °C

Repeatability 0,03 %

Dimensions Halogen lamp: Ø 90 mm

Drying time 1 ... 199 min. - adjustable

Settling time 3 s

Linearity 0.03 mG

Readability 0,01 g

Menu language English, English (GB)

Protection class (device) IP20

Power supply 220 V / 50 Hz

Connector type Cold-device plug

Operating conditions 5 ... 35 °C , 0 ... 75 % RH

Storage conditions 0 ... 40 °C , 0 ... 75 % RH

Dimensions (L x W x H) 200 x 180 x 380 mm

Weight 4320 g