WOOD MOISTURE METER

PCE-WMT 300

» **Softwoods, hardwoods, building materials**

» **Choice of 42 wood types**

» **User-defined materials**

» **Manual/automatic temperature compensation**

» **Statistical evaluation (min/max/average)**

» **Memory for measured values**

» **USB-C interface for data transfer**

» **2.8-inch LCD display**

The wood moisture meter is a versatile measuring instrument for determining the moisture content in hardwoods, softwoods and selected building materials. With its resistive measuring principle and robust ram electrode, the wood moisture meter enables reliable and precise moisture measurements in up to 42 different types of wood. User-defined materials can also be added. Depending on the material, the measuring ranges extend from 3.5% to 150% wood moisture, with a high resolution of 0.1% and a repeat accuracy of ±0.5%. Temperature compensation can be performed both manually and automatically to ensure accurate results under different environmental conditions.

The wood moisture meter has a 2.8" LCD display that shows the current measurement value as well as the ambient temperature and humidity. Statistical functions such as the display of minimum, maximum and average values support the evaluation of the measurement data. The measured values are stored internally, and the data can be easily transferred, analyzed and archived via the USB-C interface and the supplied PC software. The menu navigation is available in several languages, including English, French, Spanish and others. The wood moisture meter is operated via clearly arranged function keys. Various measurement modes, such as the choice between % wood moisture and % water content, as well as the option to create user-defined materials, offer flexibility for different applications.

Specification

Absolute moisture

Material	Deciduous woods
Measurement range up to	6,1 ... 150 %
Resolution	0,1 %
Accuracy	±0.5 %

Absolute moisture

Material	Coniferous woods
Measurement range up to	6,6 ... 150 %
Resolution	0,1 %
Accuracy	±0.5 %

Absolute moisture

Material	Building materials
Measurement range up to	11 ... 200 Digits
Resolution	1 Digits
Accuracy	±0.5 %

Absolute moisture

Material	Wood fiber insulation board
Measurement range up to	6,8 ... 150 %
Resolution	0,1 %
Accuracy	±0.5 %

Absolute moisture

Material	chipboard
Measurement range up to	3,5 ... 150 %
Resolution	0,1 %
Accuracy	±0.5 %

General technical data

Cable length	1,2 m
Temperature compensation	-20 ... 50°C, manual / automatic -4 ... 122°F, manual / automatic
Measuring principle	Resistivity
Display type	LCD
Display size	2,8 Inch
Interface	USB-C
Operating time	22 h
Dimensions	Ram electrode 332 x Ø45 mm Nadel pair 165 x Ø2.85 mm 45 x Ø3.05 mm
Menu language	German, English (GB), English, French, Spanish, Italian, Dutch, Portuguese, Turkish, Polish, Russian, Chinese, Japanese, Danish
Protection class (device)	IP52
Power supply	5 V DC
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion polymer battery
Capacity	2500 mAh
Operating conditions	-20 ... 65 °C , 10 ... 95 % RH
Storage conditions	-20 ... 65 °C , 10 ... 95 % RH
Dimensions (L x W x H)	165 x 85 x 32 mm
Weight	250 g