Wood Moisture Tester PCE-WMT 200

PCE-WMT 200

**Bluetooth wood moisture
analyzer with ram electrode /
For 44 different types of wood /
Battery and power adapter / Two different pairs of needles / Temperature compensation**

With the Bluetooth wood moisture analyzer, up to 44 different types of wood can be checked for their moisture content. These include 36 hardwoods and 8 conifers, such as beech, spruce, pine and maple. The measured value can be up to 150% moisture in relation to the dry matter. In order to obtain the most precise measurement possible, the Bluetooth moisture meter has both automatic and manual temperature compensation between -20 ... 50°C / -4 ... 122°F. In order to carry out a measurement, a pair of measuring tips is first knocked into the wood with the help of the ram electrode. Two different pairs of measuring tips are available for the Bluetooth timber moisture meter. With the pair of needles 45 x Ø3.05 mm, you can drive into the wood up to a depth of 30 mm.

Then the type of wood to be measured is selected via an Android or iOS device and the measurement is started. The current measured value is displayed after a few seconds. The connection between the Bluetooth moisture measuring device and the mobile device is made via a Bluetooth 4.0 interface. After a measurement, the measured value from the moisture meter can be saved on the mobile device. The data can be exported in CSV and PDF format.

- Electrical resistance measurement with temperature compensation
- Measuring range for wood, wood fiber insulation, chipboards up to 150 %
- Moisture for building material with digit display 11 ... 200 digits
- Ram electrode with two pairs of needles, penenetration depth 30 mm / 150 mm
- Bluetooth 4.0

General features and specifications PCE-WMT 200

Measurements	Moisture
Resolution	0.1 %
Resolution digit display	1 digit
Repeatability	± 0.5%
Measuring principle	Electrical resistance measurement
Sensor type	Ram electrode, Cable length approx. 1 m / 39.4 in
Power supply	9V block battery / 9V DC, 1 A mains connection
Interface	Bluetooth 4.0
Protection class	IP 52
Temperature compensation	-20 ... +50 °C / -4 ... 122 °F manual / automatic
Dimensions Ram electrode	332 x Ø 45 mm / 13.1 x Ø 1.8 in
Measuring device	175 x 90 x 35 mm 6.9 x 3.5 x 1.4 in
Pair of needles / penetration depth	45 x Ø 3.05 mm / 1.8 x Ø 0.1 in / 30 mm 165 x Ø 2.85 mm / 6.5 x Ø 0.1 in / 150 mm
Weight Ram electrode	1677 g / 3.7 lbs
Measuring device	250 g / 0.6 lbs

Measuring range depending on material

Hardwoods

Maple	7.9 ...150 %
American birch	6.4 ...150 %
Balsa	7.3 ...150 %
Sycamore maple	7.9 ...150 %
Birch	8.1 ...150 %
Beech	7.2 ...150 %
Real mahogany	6.7 ...150 %
Sweet chestnut	8.1 ...150 %
Alder	8.1 ...150 %
Ash	8.1 ...150 %
False acacia	8.1 ...150 %
Yellow birch	6.4 ...150 %
Hornbeam	8.1 ... 150%
European hornbeam	8.1 ... 150%
Canadian birch	8.1 ... 150%
Cherry tree	8.1 ... 150%
Walnut	8.1 ... 150%
Poplar	6.8 ... 150%
Plum tree	8.1 ... 150%
Plane	7.1 ... 150%
Black locust	8.1 ... 150%
European beech	7.2 ... 150%
Black alder	8.1 ... 150%
Sipo	9.7 ... 150%
Stone beech	8.1 ... 150%
English oak	7.0 ... 150%
Teak	6.8 ... 150%
Sessile oak	7.0 ... 150%
Elm	8.0 ... 150%
Willow	6.1 ... 150%
White maple	7.9 ... 150%
White birch	8.1 ... 150%
White beech	8.1 ... 150%
Sugar birch	8.1 ... 150%
Damson plum	8.1 ... 150%

Softwoods

Douglas fir	6.6 ... 150%
Spruce, common	8.1 ... 150%
Pine	6.6 ... 150%
Larch	7.5 ... 150%
Central European spruce	8.1 ... 150%
Scandinavian spruce	8.1 ... 150%
Fir	8.5 ... 150%
Cypress	6.7 ... 150%

More building materials

Building moisture	11 ... 200 digits (digit display)
Wood fiber insulation board	6.8 ... 150%
Chipboard	3.5 ... 150%

The moisture content is based on the dry matter
at a temperature of 20°C / 68°F