

# MOISTURE MEASUREMENT MOISTURE METER

## PCE-WMT 200

### Bluetooth moisture meter with ram electrode / For 44 different types of wood

When burning wood, it is important to know the wood moisture content. If the wood moisture content is too high during combustion, the water must first be heated and evaporated. This results in lower flame temperatures and smoldering gases. In addition, it can lead to incomplete combustion of the wood. In summary, too high a wood moisture content results in poor efficiency, pollutants and also odor

emissions.

With the Bluetooth wood moisture meter PCE-WMT 200, 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.

### ISO cal option

- » temperature compensation up to 50°C / 122°F
- » 44 different types of wood
- » ramming electrode with pairs of needles
- » up to 150% moisture
- » bluetooth 4.0 interface



## APPLICATION



## TECHNICAL SPECIFICATIONS

Resolution	0.1%
Resolution digit display	1
Repeatability	± 0.5%
Temperature compensation	-20 ... 50°C / -4 ... 122°F, manual / automatic
Measuring principle	Electrical resistance measurement
Sensor type	Ram electrode
Pairs of needles maximum penetration depth	45 x Ø3.05 mm: 30 mm
	165 x Ø2.85 mm: 150 mm
Protection class	IP 52
Power supply	9V block battery / 9V DC, 1 A mains connection
Interface	Bluetooth 4.0
Cable length	Approx. 1 m / 39.4 in
Power consumption	Max. 1 A
Dimensions	
Ram electrode:	332 x Ø45 mm / 13.1 x Ø1.8 in
Measuring device:	175 x 90 x 35 mm / 6.9 x 3.5 x 1.4 in
Pair of needles:	45 x Ø3.05 mm / 1.8 x Ø0.1 in
	165 x Ø2.85 mm / 6.5 x Ø0.1 in
Weight	Ram electrode: 1677 g / 3.7 lbs Measuring device: 250 g / 0.6 lbs

Material	Measuring range
Hardwoods	
Maple	7.9 ... 150%
American birch	6.4 ... 150%
Basla	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%

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

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

### Optional accessories:

PCE-WMT 200 RE	Ram Electrode
MMK-E-150	MMK-E-150 needles
MMK-E-30	MMK-E-10 30-mm needles



Subject to changewithout notice