

HUMIDITY 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, 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,

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%	Sessile oak	7.0 ... 150%
Resolution digit display	1	Elm	8.0 ... 150%
Repeatability	± 0.5%	Willow	6.1 ... 150%
Temperature compensation	-20 ... 50°C / -4 ... 122°F, manual / automatic	White maple	7.9 ... 150%
Measuring principle	Electrical resistance measurement	White birch	8.1 ... 150%
Sensor type	Ram electrode	White beech	8.1 ... 150%
Pairs of needles maximum penetration depth	45 x Ø3.05 mm: 30 mm	Sugar birch	8.1 ... 150%
	165 x Ø2.85 mm: 150 mm	Damson plum	8.1 ... 150%
Protection class	IP 52	Softwoods	
Power supply	9V block battery / 9V DC, 1 A mains connection	Douglas fir	6.6 ... 150%
Interface	Bluetooth 4.0	Spruce, common	8.1 ... 150%
Cable length	Approx. 1 m / 39.4 in	Pine	6.6 ... 150%
Power consumption	Max. 1 A	Larch	7.5 ... 150%
Dimensions		Central European spruce	8.1 ... 150%
Ram electrode:	332 x Ø45 mm / 13.1 x Ø1.8 in	Scandinavian spruce	8.1 ... 150%
Measuring device:	175 x 90 x 35 mm / 6.9 x 3.5 x 1.4 in	Fir	8.5 ... 150%
Pair of needles:	45 x Ø3.05 mm / 1.8 x Ø0.1 in	Cypress	6.7 ... 150%
	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%	

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 change without notice