



C301 CAPACITIVE TIMBER MOISTURE METER



The C301 capacitive timber moisture meter is non-invasive and simple to use. No large electrodes or pins are required to be inserted into the timber.

Features

- Capacitive type instrument with digital readout.
- Non-invasive operation
- Self contained with no external electrodes
- Continuous operation enabling large areas to be rapidly checked

Specifications

Range	: 0 to 200% moisture content
Material	: Radiata pine, dry density 0.46 Tonnes/cub m
Display	: 4 digit LCD
Operation	: Single push button
Battery Monitor	: Digital display "Lo-b"
Battery	: 1 x 9V heavy duty, IEC 6F22
Dimensions	: 145 x 85 x 40mm
Weight	: 225g

How it works

The back of the meter contains an electrode, which forms part of a capacitor. If a piece of material is placed in the field of the electrode then the capacitance will change according to the dielectric constant of the material. Dry wood has a low dielectric constant whilst water has a very high constant thus the water in a piece of timber will account for most of the change in capacitance. The meter measures this change and interprets it in terms of how much water is present ie the moisture content of the timber. This value is directly displayed on a digital display. The meter is calibrated to Radiata pine of dry density 0.46 Tonnes/cub m.