

CALIBRATION

The Elcometer 7400 is fitted with an electronic setting device making manual calibration or adjustment unnecessary.

SAFETY REMARKS

If the moisture meter is carried with the protective cap removed, there is a risk of injury from the measuring pins. The protective cap or an alternative safeguard should be used to prevent injury.

Careless handling of the measuring pins whilst taking measurements may also cause injury.

Ensure that prior to driving the pins into walls, ceilings or floors, they will not come into contact with power lines, water pipes or other supply pipes.

POWER SOURCE

1 standard dry battery 9 V IEC 6 F 22 or IEC 6 LF 22.

CHANGING THE BATTERY

The battery requires changing when two decimal points are shown on the display (eg. 1.8.8).

Loosen the two cross-headed screws on the upper side of the instrument and carefully remove the cover in an upward direction. Change the battery and refit the cover.

TESTING A SURFACE

For wood measurement, set the rotary knob to position 2 or 3, depending on the wood species to be tested. (See Table of Wood Species overleaf). Set the knob to position B for testing plaster.

Press measuring pins into the wood or plaster, with wood across the direction of the grain. Press the measuring key and read the result.

Attention: The readings obtained are valid for wood temperatures between 15 and 25°C. Wood temperatures outside these values may result in measurement errors.

Do not take measurements on metallic surfaces.

For measurements on veneers, several layers have to be laid on top of one another.

CHANGING THE MEASURING PINS

Unscrew knurled nuts and change pins. Tighten the nuts carefully to avoid measuring errors and keep the pin sockets clean.

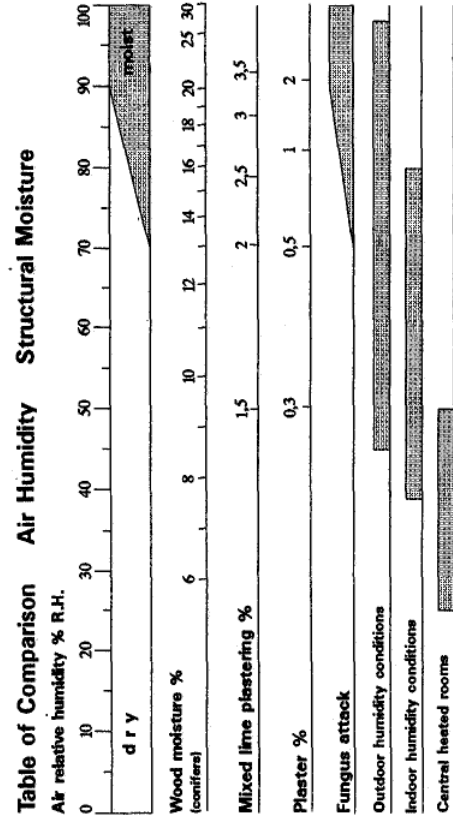


TABLE OF WOOD SPECIES

Wood Species	Setting
Abachi	2
Alder	3
Ash	3
Banak	2
Beech, Red	2
Beech, White	2
Birch	3
Cherry	3
Chestnut	2
Dalli	2
Douglas Fir	3
Elm	3
Fir	3
Gabun	2
Hemlock	3
Khaya Mahogany	3
Larch	3
Lime	2
Mahogany	3
Makoré	3
Maple	3
Meranti, Dark Red	3
Meranti, Light Red	3
Oak	3
Oak, Red	2
Oak White	2

Okumé	2
Pear Tree	2
Pine	3
Plum Tree	3
Poplar	3
Ramin	2
Red Oak	2
Redwood, California	3
Rosewood	2
Sapele	3
Sitka Spruce	3
Spruce	3
Swiss Pine	3
Teak	2
Wawa	2
Weymouth Pine	3
White Afara	3
White Oak	2
Yew	3

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Elcometer 7400 COMPACT Moisture Meter Operating Instructions

ABOUT THIS GAUGE

The Elcometer 7400 COMPACT allows moisture checks on timber, veneer, wooden frames, windows and doors. It is equipped with a selector for setting two different calibrations for wood. Wood species group 2 and 3 of the standard table of wood species apply. The reading refers to a wood temperature of 20°C.

The Elcometer 7400 can also be used for moisture checks on plaster.

The readings are displayed on the LCD display in percent of dry weight.

MEASURING RANGE

The instrument gives readings over a range of 5 to 20% moisture content for wood and 0.3 to 3.5% m.c. for plaster. Higher readings displayed by the meter are erratic and should be disregarded.

