

PROTIMETER MINI C

Moisture meter – instructions for use

The Protimeter Mini C has two pin-probes mounted in the head and a 3.5mm socket beside them for use with accessories such as the Standard Heavy Duty Hand Probe, Deep Wall Probes and Hammer Probe.



THE RANGE marked on the fascia is from 6% moisture content in wood to well above wood fibre saturation point (28%). Readings above 28% indicate increasing levels of high moisture, but they are *not* percent moisture content, they are very approximate. Readings below 10% may be outside the normal percentage error of $\pm 1\%$ and should not be relied upon. If accuracy in this region is required, then Protimeter's more accurate Timbermaster moisture meter should be used.

The equivalent across this scale in *building materials* (plaster and brick) is from safe/dry to dangerously damp, the instrument will read moisture content on plaster and brick on a *relative* basis only.

SWITCH ON by removing cap which can be stored on the boss at the bottom of the meter whilst meter is in use. If 'ON' light does not show replace the battery - see overleaf. Whilst taking a reading two lights (bottom and centre scale) glow to assist the user in darkness by indicating scale position. Push pins firmly into wood or against building material. As pins penetrate wetter (usually deeper) material, the reading will rise.

SWITCH OFF after use by replacing cap.

TOUCH SENSOR: For veneers or surfaces where pin holes are unacceptable, unscrew nuts, remove pins, replace nuts and use rounded tips of nuts only (Touch Sensor mode). Note that where surface is covered by a material impervious to battery current (eg. Vinyl wallcovering) then pin probes *must* be used.

THE MINI C IS CALIBRATED to give direct moisture content readings in the *European redwood (pinus sylvestris) species Group 'A'*. The Group 'A' are the red markings on all VERUS Checkbox-Calibrators). For other wood species and any required adjustment, refer to Calibration Tables for Wood (supplied). For a description of the effects of wood sheet materials, contaminating salts and carbonaceous materials on meter readings, see Verus Datasheets. Colour-codes on the fascia indicate the importance of readings on *wood* as follows -

Green: 'Air-dry' condition - most types of decay impossible if the meter is accurate and readings are obtained by a skilled user.

Yellow: Slightly in excess of normal air-dry, investigate further.

Red: Excess moisture - decay inevitable, take remedial action.

TO CHECK CALIBRATION across the range of readings it is necessary to use an optional Checkbox /Calibrator such as the **VERUS II** which checks a meter or any accessory plugged into the meter at several scale points. For ISO 9000 registered companies this is the most practical way of achieving necessary accuracy and traceability. As a rough check at a single point use 'Protimeter Check' test device (supplied) by pressing the two pin probes of the meter (or accessory) against the two exposed wires. Reading should be $18\pm 1\%$, if not the instrument or the faulty accessory should be returned to VERUS for repair or adjustment.

TO FIT NEW BATTERY: remove battery cover at the base of the instrument and, observing polarity markings, insert 9v type PP3. Store instrument in a dry place and to avoid damage to the instrument, remove dead battery immediately.

The information contained in this leaflet is given in good faith. As the method of use of the instrument (and its accessories) and the interpretation of the readings are beyond the control of the maker or supplier, we cannot accept responsibility for any loss, consequential or otherwise, resulting from its use.

VERUS INSTRUMENTS LTD



mail@verus.co.uk
www.verus.co.uk