



GE Protimeter *Protimeter Surveymaster*



Protimeter Surveymaster.
For moisture measurement in buildings.

The Protimeter Surveymaster

Excessive moisture in buildings will lead to decay and deterioration of components and decorative finishes. Professionals involved with the identification, management and remedy of dampness need tools that help them to:



- identify the extent of the dampness
- diagnose the cause of the problem
- monitor change in the moisture level

GE Protimeter moisture meters and hygrometers satisfy these requirements comprehensively. The Protimeter Surveymaster is the industry standard moisture meter for surveying and investigating dampness in buildings.

Two Operational Modes



This unique moisture meter has two modes of operation – **Search and Measure** – that help the user to distinguish sub-surface from surface moisture, essential information when trying to establish the extent and cause of a dampness problem.

Search Mode

The Search mode is used to assess the moisture level beneath the surface of solid walls and floors independently of surface conditions. The nominal depth of the measurement is 0–12mm, but this depends on the density and other characteristics of the material. When held against the surface as shown the instrument transmits a radio wave into the material. The relative moisture level is shown on the digital display and its **moisture condition** is shown on the accompanying scale of colour coded lights. This measurement presentation helps the user to:



- assess, in relative terms, if the material is in a **dry**, **borderline** or **damp** condition
- map the extent of the problem numerically
- monitor change in moisture condition numerically

Measure Mode

This mode is used to measure the moisture level at the surface and at incremental depth, when used with the auxiliary Deep Wall Probes. Measure mode readings are precise and specific to the immediate area of contact of the electrodes. The actual moisture content of wood is shown on the digital display with the corresponding **moisture condition** shown on the accompanying scale of colour coded lights. Wood Moisture Equivalent (WME) values are shown for other non-conductive, porous building materials.



Dampness Diagnosis Benefits



The different measurement perspectives given by the **Search and Measure** modes help the user to differentiate internally generated problems – such as condensation – from external problems, such as rising dampness and lateral ingress. Low **Search** mode readings combined with high **Measure** mode readings suggests condensation or internal contamination. High **Search** mode readings combined with low **Measure** mode readings may be highlighting leaks behind impervious finishes such as ceramic tiles. High **Search and Measure** mode readings suggest that moisture from an external source (rising dampness or lateral ingress) is getting inside the building. High **Search** mode readings can be investigated more rigorously and quantified in WME terms by using the Deep Wall Probes in **Measure** mode.

Specification

Product	Protimeter Surveymaster
Part No.	BLD5360
Scope of supply	Instrument, Deep Wall Probes, moisture probe, Calcheck, x2 spare pins, pouch, instructions.
Weight	100g
Dimensions	175 x 30 x 48 mm
Displays	LCD: Search mode; 0-999 relative scale Measure mode; 6.1-99.9 WME scale LED: green-yellow-red scale of 60 lights, synchronised with threshold values of the Search and Measure modes
Power	one 9V 6F22R battery
Features	Beeper. May be switched on/off by the user. Auto switch off. May be switched off, or set between 1-3 minutes.

The information in this leaflet is given in good faith. But since the method of use of the meters and the interpretation of the readings are beyond the control of the manufacturers, they cannot accept responsibility for any loss, consequential or otherwise, resulting from or involving the use of the meters. The specification of the product(s) may be changed without prior notice. Protimeter, Surveymaster and Protimeter Surveymaster are Registered Trade Marks. © GE Protimeter plc November 2003



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