

Surveymaster

Protimeter Dual-Function Moisture Meter



The Surveymaster is used for moisture measurement in buildings. 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 moisture penetration
- Diagnose the cause of the problem
- Monitor change in the moisture level

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

Two Operational Modes

This unique moisture meter has two modes of operation—search and measure. Search and measure 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—Non-Invasive

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 3/4 in (19 mm); this depends on the density and other characteristics of the material. When held against the surface, as shown below, the instrument transmits a signal into the material. The relative moisture level is shown on the digital display and its moisture condition is shown on the accompanying scale of color-coded lights. This measurement presentation helps the user to:

- Look for moisture behind wall and floor coverings, such as tile and vinyl.
- Assess, in relative terms, if the material is in a dry, borderline or damp condition.
- Map the extent of the problem numerically.
- Non-invasive pinless radio frequency finds moisture at depth where moisture is not always directly visible—up to 3/4 in (25.4 mm) below the surface.
- This mode of measurement is not adversely affected by the presence of surface moisture.

Applications: Shower pans, behind ceramic tile, fine finishes, water stains, tile and vinyl floor coverings, joists, around toilets, drywall, below grade floors and walls, plaster, masonry, concrete and concrete block.

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 color-coded lights. Wood Moisture Equivalent (WME) values are shown for other non-conductive, porous building materials.

- Pin-type probes measure moisture in wood and other building materials (use provided calibration chart for more precise readings)
- Deep wall probes establish the presence of moisture in wall cavity insulation, sub and surface structures

Options

- Exterior Insulation and Finished Systems (EIFS) probe finds moisture in exterior insulation finishing systems
- Hammer electrode for wood floor applications

Applications: Wood and wood floors, drywall, concrete and concrete block, stucco, plaster, masonry and EIFS.



Surveymaster Specifications

Rapid, non-invasive and pin moisture evaluation in building materials. Detects moisture directly in materials such as concrete and below wall and floor coverings such as tile, wood and vinyl

Range

0 to 999 relative (non-invasive)
7% to 99% WME (pin measurement)

Display 1

Digital LCD

Display 2

60 LEDs green (dry), yellow (at risk) and red (wet)

Depth of moisture

Non-invasive up to 3/4 in (19 mm)
Pin up to 1/2 in (12.7 mm)

Case

Pouch with belt loop

Power

9 V (supplied)

Warranty

24 months on mechanical or manufacturing defects.
Does not include wearing part or accessories.

Options

Hammer electrode
BLD5055

EIFS Probe
BLD5070

Part Number

BLD5360



Technical Specifications

Standard Supply

Instrument, 5 in (127 mm) deep wall probes, moisture probe, calcheck, 2 spare pins, pouch and instructions

Weight, Including Batteries

.220 lbs/4 oz (100g/4 oz)

Dimensions

7 in x 1 in x 2 in (175 mm x 30 mm x 48 mm)

Battery

One 9 V 6F22R

Features

Audible tone. May be switched on/off by the user. Auto switch off. May be switched off, or set between one to three minutes, by the user..



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