

Protimeter BLD8800 Moisture Measurement System MMS2

- Wood • Drywall • Building Materials • Concrete • Fiberglass Boat Hulls



It takes the "all-in-one" concept to a whole new level.

Introducing the Protimeter MMS2, the world's most advanced all-in-one moisture meter. The attachments aren't just included, they're built in.

The Protimeter MMS2 is the industry's most advanced all-in-one moisture meter. Its ergonomic, 4-in-1 design allows one-handed operation to measure moisture on and below the surface as well as ambient air humidity. With an infrared thermometer to calculate the difference between dew point and surface temperature, this meter is designed to assess moisture in both new and refurbishing projects, as well as to diagnose moisture-related problems in existing buildings.

All Protimeter instruments have a two-year warranty.

Benefits

- Easy-to-use
- Full building moisture diagnostics
- Fast responding hygrometer speeds up building surveys
- No need to always plug in multiple accessories
- Intuitive user interface with color screen

Features

- Pin moisture measurement
- Pinless moisture measurement
- Ambient relative humidity and temperature measurement
- Equilibrium humidity measurement in concrete floors
- Psychrometric calculations
- Laser pointer surface non-contact temperature measurement
- Data logging
- Firmware upgradable



Technical Specifications

Part Number	Description
BLD8800	Protimeter BLD8800 Moisture Measurement System MMS2®
Maximum Needle Depth	10mm
Display	Colour LCD
Moisture Measurement Range	Pin (% WME) 8% to 99, readings over 30% are relative Non-invasive (RF) up to 20 mm deep 60 to 1000 (relative)
IR Surface Temperature Probe Range	-10°C to 50°C
Infrared Surface Temperature Range	IR Based – With 12:1 (D:S) Ratio Range -20°C to 80°C Accuracy ±2°C
Hygrostick Data (Nominal)	30% to 40% RH (±3% RH) at 20°C 41% to 98% RH (±2%) at 20°C Range 0°C to 50°C ±0.3°C
Quikstick and Quikstick ST Data (Nominal)	0% to 10% RH, ±3% RH at 20°C 10% to 90% RH, ±2% RH at 20°C 90% to 100% RH, ±3% RH at 20°C Range 0°C to 50°C ±0.3°C
Data Storage	Nominal response 30% to 90% and back to 30% RH in 45 seconds @ 20°C Store up to 8,000 results with date and time stamp from all instrument functions with the push of a button. Store 6100 results with automatic logging.
Gross Weight	283 g
Dimensions (L x W x H)	190.5mm x 94mm x 56mm
Batteries (Included)	9 V
Warranty	24 months on mechanical or manufacturing defects <i>Does not include wearing part or accessories</i>

Packing List

Protimeter BLD8800 Moisture Measurement System MMS2®
Auxiliary HD MC Probe
Case Shoulder Strap
Wrist Strap
Calibration Check Device
Protimeter Hard Carry Case
1 x 9V
Two Spare Pins
Instruction Manual



Video



YouTube Video - Introduction to Protimeter MMS2 | The industry's most advanced ALL-IN-ONE moisture meter!
(Click on the image to the left to view the video)

The attachments aren't just included, they're built in! The Protimeter MMS2 is the industry's most advanced all-in-one moisture meter. Its ergonomic, 4-in-1 design allows one-handed operation to measure moisture on and below the surface, as well as ambient air humidity. It also includes an infrared (IR) thermometer, which calculates the difference between dew point and surface temperature, is just one of the many advances designed in to assess moisture in new and refurbishing projects, as well as to diagnose moisture-related problems in existing buildings.



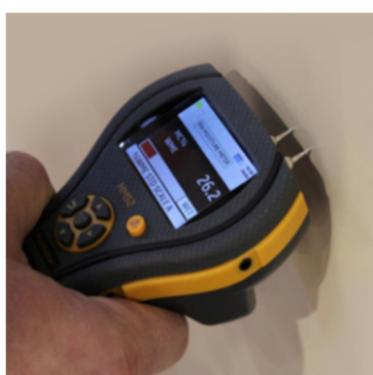
Accessories

Part number	Description	BLD8800	BLD8800-S	BLD8800-C	Protimeter MMS2	BLD8800-C-S	BLD8800-C-R
POL8800	MMS instrument	•	•	•	•	•	•
POL8751	Quikstick ST	•	•	•	•	•	•
BLD5060	HD MC probe	•	•	•	•	•	•
POL4750	Hygrostick		•		•		
BLD5802	Hygro/quick		•		•		
BLD5055	HD Hammer					•	
BLD05297	4 x Hammer Pins					•	
BLD5018	Deep Wall probes 125mm		•		•		•
BLD5020	Deep Wall probes 230 mm						
BLD5808	Surface temp sensor				•		
BLD5086	Cal check	•	•	•	•	•	•
INS8800	Instructions	•	•	•	•	•	•
BLD7758	Software + Cable		•	•	•	•	•
Pou5800-01	Canvas carry pouch	•	•				
BLD5910	Hard carry			•	•	•	•



Four-In-One Moisture Measurement System

Measure (pin mode)



Diagnoses the extent of moisture intrusion for damage assessment and monitor drying out of building structures

- Use built-in pin or plug in the heavy duty moisture probe for measuring in hard-to-reach areas
- Use deep wall pin-type probes to measure moisture in walls, wall cavity insulation, sub and surface structures
- Use accessories such as hammer probes to measure at depth

Search (non-invasive mode)



Behind ceramic tile, fine finishes, water stains, tile and vinyl floor coverings, wood drywall, plaster, masonry, concrete and concrete block

- Non-invasive pinless radio frequency finds moisture up to 20 mm below surface
- Search mode not adversely affected by surface moisture

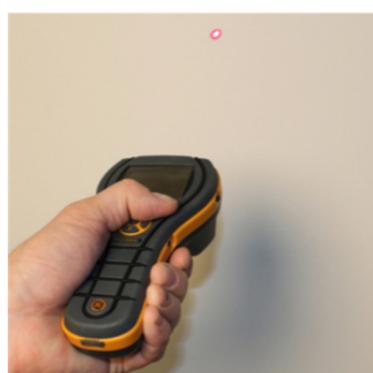
Hygrometry



Measures or monitors buildings for adequate ventilation affecting indoor air quality and moisture problems

- Measures relative humidity and temperature, dew point and surface temperature, surface proximity to dew point (condensation) and grains per pound, as well as multiple psychrometric calculations
- Allows measurement of equipment such as dehumidifiers
- Measures equilibrium relative humidity in concrete floors using the in situ probe method
- Use to detect conditions for mould and fungus growth, that can lead to unhealthy living conditions

Surface Temperature (IR)



- Checks surface temperature, utilizing laser pointer, calculates proximity to dewpoint

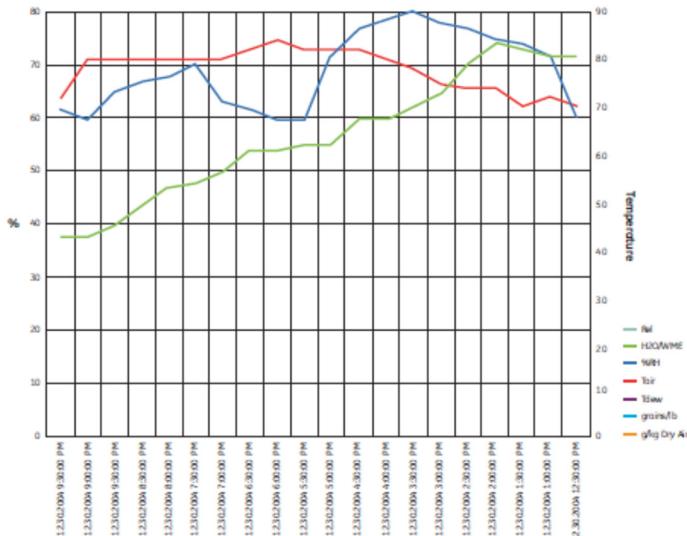
Data Storage Functions

When concise and accurate environmental readings need to be reported, the MMS Plus gets the job done. The ability to record readings instantly at the push of a button, and to continuously log when left on site, makes this instrument ideal for many applications including:

- Building survey
- Fire and flood restoration
- Concrete floor moisture measurement
- Indoor air quality
- Environmental health

Humidity Probe Options

The MMS Plus may be used with three styles of interchangeable humidity probe, the Hygrostick, the Quikstick and the Quikstick ST. The Hygrostick (grey POL4750) can be used for high moisture applications such as concrete measurement. Quikstick (black POL8750) is a general purpose, fast-responding full range sensor.



Concrete Floor Moisture Measurement

MMS2 can be used for measuring equilibrium relative humidity directly in concrete slabs. Protimeter pioneered this more accurate method, which includes drilling holes in the concrete, inserting a humidity sleeve and measuring the equilibrium humidity in the concrete. If excessive moisture is found, simply replace the sleeve cap for future retesting. This method also permits normal construction without disturbing the test surface.

A small hole is drilled in the concrete. Next, a humidity sleeve is inserted and capped flush with the floor. The relative humidity of the air in the test hole is now at the same moisture level as the concrete around it. Flooring product manufacturers normally recommend RH readings between 75% and 85% depending on the permeability of the product being installed.

Readings from multiple Hygrosticks can be taken and recorded with ease. Humidity readings can be taken with the use of humidity sleeves or humidity box. Hygrosticks, not Humisticks, should be used for this test.



Quikstick ST POL78751, standard with all MMS2 kits and with the same performance as the standard Quikstick. A Quikstick ST can remain connected to the MMS2 while using the pins.



Hygrostick part number POL4750, for high moisture applications.