



# Measurement & Sensing Technologies GE Protimeter

BECAUSE  
MOISTURE  
MATTERS



# The Problem of Moisture

Moisture is virtually everywhere. And no matter where you may find it, excessive moisture can cause problems. Once the human senses can detect a moisture problem, such as surfaces that are damp to the touch, air that seems humid, or visible mold, the problem may already have passed a critical stage. Early detection of these problems using moisture meters can be invaluable.

## Protimeter Offers Solutions

With over 45 years of experience, Protimeter specializes in accurate, durable and easy-to-use handheld instruments. With a trained staff of sales engineers and useful information resources, we provide expert knowledge based on the needs of your industry to guide you toward the right moisture instrument.

**Protimeter Instruments**  
Because Moisture Matters

- Home Inspection
- Woodworking
- Flooring
- Pest Control
- Cleaning & Restoration
- Construction

### MMS Moisture Measurement System

**3 Meters in One**  
with Dependable,  
Compact Design

Moisture in building materials can lead to deterioration, unhealthy living environments and problems that are expensive to resolve. The MMS can assist in identifying, diagnosing and monitoring these existing and potential moisture problems using its built-in functions:



**Datalogging option available -**  
Store up to 1,000 results with date and time stamp. BLD5810

**Hygrometer Mode** measures Relative Humidity, temperature, dew point and proximity to dew point with the modular, replaceable Protimeter Hygrostick™ .

**Pin Measure Mode** determines the moisture content of wood and the Wood Moisture Equivalent (WME) value of other building materials.

**Pinless Measure Mode** detects the presence of moisture non-invasively using radio frequency.

- Supplied with nylon carry pouch, 5" deep wall probes, heavy-duty pin extension lead, Hygrostick probe, surface temperature sensor, Hygrostick extension lead, wood calibration chart, calibration check device, spare pins and instructions.





## Hygromaster

Versatile hygrometer measures relative humidity, temperature and dew point

- Large LCD Display in .1% increments
- Modular, replaceable Hygrostick probe
- Optional surface temperature probe (BLD4701) for a range of applications
- Supplied with pouch, Hygrostick and instructions



## Timbermaster

Built-in calibration groups for over 160 wood species

- Large LCD displays moisture content and temperature in .1% increments, with built-in temperature correction
- May be used with optional Hammer Electrode (BLD5000) and other accessories
- Supplied with nylon carry pouch, heavy duty pin extension lead, temperature probe, wood calibration chart, calibration check device, spare pins and instructions



## Mini

General purpose pin-type instrument for a broad range of construction materials

- Ultra-bright display of 60 scaled, green, yellow and red LED's for clear visibility
- 6 - 90% measurement range for versatility
- Ergonomic design and tactile grip for comfort, control and ease of use
- Supplied with nylon carry pouch, extension lead, wood calibration chart, calibration check device, spare pins and instructions



## Surveymaster SM

2 Meters in One

**Search Mode** uses noninvasive radio frequency to detect moisture below the surface and behind finishes such as ceramic tile and floor coverings.

**Measure Mode** uses pin electrodes or deep wall probe (included) for precise moisture measurements in common building materials.

- Supplied with nylon pouch, heavy duty pin extension lead, deep wall probes, wood calibration chart, calibration check device, spare pins and instructions



| Protimeter Instrument         | MMS   | Timbermaster                  | Surveymaster SM                               | Hygromaster                       | BLD2000 Mini                    |
|-------------------------------|---|-------------------------------|---|-----------------------------------|---------------------------------|
| Product Code                  | BLD5800                                     | BLD5601                       | BLD5350                                       | BLD4700                           | BLD2000                         |
| Gross Weight                  | 10.58 oz. (300 g)                           | 5.3 oz. (150 g)               | 7 oz. (200 g)                                 | 5.3 oz. (150 g)                   | 5.3 oz. (150 g)                 |
| Dimensions (LxWxD)            | 7 x 2.75 x 1.9" (180 x 70 x 49 mm)          | 7 x 2 x 1" (180 x 49 x 28 mm) | 6.7 x 2 x 1.6" (170 x 53 x 40 mm)             | 7 x 1.9 x 1" (180 x 49 x 28 mm)   | 7 x 1.9 x 1" (180 x 49 x 28 mm) |
| Max. needle depth             | 0.4" (10 mm)                                | 0.4" (10 mm)                  | 0.4" (10 mm)                                  | N/A                               | 0.4" (10 mm)                    |
| Display                       | LCD   | LCD                           | LED and LCD                                   | LCD                               | LED                             |
| Batteries (included)          | 2 AA batteries                              | 2 AA batteries                | 2 AA batteries                                | 2 AA batteries                    | 2 AA batteries                  |
| Measurement range             |   |                               |   |                                   |                                 |
| Pin (% WME)                   | 6 - 99                                      | 6.0 - 99.9                    | 6.0 - 99.9                                    | N/A                               | 6 - 90                          |
| Non-Invasive (RF)             | 0-1000 (relative)<br>up to 1" (25.4mm) deep | N/A                           | 6-100 (relative)<br>up to 3/4" (19.05mm) deep | N/A                               | N/A                             |
| Hygrostick (RH)               | 20 -100% RH, 32° -122°F (0° - 50°C)         | N/A                           | N/A   | 20 -100% RH, 32° -122°F (0°-50°C) | N/A                             |
| Temp. probe range             | 15° to 120°F (-10° to 50°C)                 | 15° to 120°F (-10° to 50°C)   | N/A   | 15° to 120°F (-10° to 50°C)       | N/A                             |
| Hygrostick data               |   |                               |   |                                   |                                 |
| 30 - 40% RH                   | ±2.5% RH                                    | N/A                           | N/A   | ±2.5% RH                          | N/A                             |
| 41 - 98% RH                   | ±1.75% RH                                   | N/A                           | N/A   | ±1.75% RH                         | N/A                             |
| 0.5° - 122° F (-18° to 50° C) | ±4.5° F (2.4°C)                             |                               |   | ±4.5° F (2.4°C)                   |                                 |

## Accessories



**Hammer Electrode Telescopic BLD5010\*** measures moisture to a depth of 1.38" (35mm). Adjustable depth-stop. Wt. 7 oz. (0.2 kg)



**Hammer Electrode Standard BLD5000\*** measures moisture to a depth of 1.38" (35mm). Wt. 31.75 oz. (0.9 kg)



**Deep Wall Probe BLD5020\*** measures moisture at depth in walls and other structures. Length: 9" (230mm)



**EIFS Probe BLD5070\*** for measuring moisture levels in exterior insulation and finish systems. Needle length: 3.93" (100mm)



**Humidity Sleeves BLD4902** 20 pack. Measurement of RH in concrete slabs. ASTM 2170



**Hygrostick Extension Lead BLD5802\*\*** enables the user to take RH/temperature readings more easily in materials and inaccessible areas.



**Hygrostick BLD4750C\*\*** standard 5 pack 4 pt. calibration. Certificate available.

\* Except Hygromaster  
\*\* MMS and Hygromaster Only



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Avoid costly mistakes...  
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