

It's the moisture **YOU DON'T SEE**
that matters **MOST**



Table of Contents

History 3

Quick Reference - Functions/Applications/Materials..... 4

Moisture Meters - Buildings

 MMS3 5

 ReachMaster Pro..... 5

 SurveyMaster 5

 Aquant 6

 Digital Mini..... 6

 Mini..... 6

 Mini C 7

 TimberMaster 7

 HygroMaster 2..... 7

 HygroMaster L..... 8

 BLE 8

Concrete Flooring Kits..... 9

 MMS3 Flooring Kit..... 9

 HygroMaster L Flooring Kit 9

Survey Kits 10

 Dual Meter Kits..... 10

 Technician's Kit..... 10

 Restoration Kit..... 10

 Flood Kit 10

Moisture Meters ROADS & FOUNDRY 11

 Speedy 11

Moisture Meters - AGRICULTURE 12

 GrainMaster i2 12

 BaleMaster 12

Common Accessories..... 13

Accessories & Parts..... 14

Accessories & Parts - Hygrometers 15

Warranty and Replacement Program 16

History

1952: Gerald Gobert founded the Gallwey Chemical Co. Ltd in Deptford, South London. Gallwey bought bulk chemicals, mainly lighter fuel, for repackaging into smaller containers for resale. One of the war-surplus chemicals bought by Gallwey was naphthalene, which was stockpiled during World War II as an antidote to mustard gas. Gerald Gobert discovered that it was also an effective fungicide widely used in Continental Europe in wood preservatives.

1954: Protim Services Ltd was formed to undertake remedial work in buildings, such as wood treatment.

1955: Protim Ltd was formed by Gallwey to produce and sell only timber preservative chemical solutions. By this time, it was understood that the moisture content of timber prior to treatment was critical to the performance of the preservation process. Gerald Gobert built the first moisture meter to assess the moisture level of timber. He called this instrument Protimeter. Initially, Protim built a few meters for use in their own work. But, as others learned of the technology, primarily building owners, they thought it would be a useful tool for resolving dampness-related disputes with tenants. With that, the market for building inspection moisture meters was created, and Protimeter Ltd was incorporated to make and sell moisture meters.

1967: Gallwey floated on the London Stock Exchange as Protim & Gallwey Ltd.

1983: Protimeter was floated on the London Stock Exchange as Protimeter Plc.

1986: Protimeter Plc was sold to Bowthorpe Holdings, later to be renamed Spirent Communications Plc. Protimeter was incorporated into the Sensing Solutions Division.

2001: Spirent sells their Sensing Solutions Division to General Electric (GE).

2013: Advanced Sensors, including Protimeter, was sold to Amphenol Corporation.

Now: Protimeter continues to lead the industry with innovative, dynamic and high performance products, selling globally through a reputable distributor network.


PROTIMETER





METER FUNCTION

| | MMS3 | ReachMaster Pro | SurveyMaster | Aquant | Digital Mini | Mini/Mini C | TimberMaster | HygroMaster 2 | HygroMaster L | BLE | Std Speedy | Large Speedy | GrainMaster i2 | BaleMaster |
|---------------------------------------|------|-----------------|--------------|--------|--------------|-------------|--------------|---------------|---------------|-----|------------|--------------|----------------|------------|
| Bluetooth | ● | | ● | ● | ● | | | | | ● | | | ● | ● |
| Pin Moisture Measurement | ● | | ● | | ● | ● | ● | | | ● | | | | |
| Non-invasive Moisture Measurement | ● | ● | ● | ● | | | | | | | | | | |
| Non-contact Temperature Measurement | ● | | | | | | | ● | | | | | | |
| Plug-in Temperature Probe Measurement | ● | | | | | | | ● | | | | | ● | |
| Ambient Humidity | ● | | | | | | | ● | ● | ● | | | | |
| Ambient Temperature | ● | | | | | | | ● | ● | ● | | | | |
| Dew-point | ● | | | | | | | ● | ● | | | | | |
| Psychrometric Humidity Readings | ● | | | | | | | ● | ● | | | | | |
| Data Logging | ● | | | | | | | ● | | ● | | | | |
| Direct Moisture Measurement | | | | | | | | | | | ● | ● | ● | ● |
| WME Accessory Port | ● | | ● | | ● | ● | ● | | | | | | | |

APPLICATIONS

| | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Concrete Floors | ● | ● | ● | ● | | | | ● | ● | | ● | | | |
| Wood Floors | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| Building Survey | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| Building Construction | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| HVAC Commissioning | ● | | | | | | | ● | ● | ● | | | | |
| Home Inspection | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | | | |
| Flood Damage Restoration | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | | | |
| Woodworking | | | | | ● | | ● | | | | | | | |
| Soil Moisture for Road Construction | | | | | | | | | | | | ● | | |
| Sand Casting Moisture | | | | | | | | | | | ● | | | |
| Grain Moisture Measurement | | | | | | | | | | | | | ● | |
| Hay and Straw Moisture Measurement | | | | | | | | | | | | | ● | ● |
| Industrial Coatings | ● | | | | | | | ● | | | | | | |

MATERIALS

| | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ● Wood | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | ● |
| ● Drywall | ● | ● | ● | ● | ● | ● | | | | ● | | | | |
| ● Building Materials | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | | | |
| ● Concrete | ● | ● | ● | ● | | | | ● | ● | | ● | ● | | |
| ● Straw/Hay | | | | | | | | | | | | | ● | ● |
| ● Grain | | | | | | | | | | | | | ● | |
| ● Soil | | | | | | | | | | | ● | ● | | |
| ● Sand | | | | | | | | | | | ● | ● | | |
| ● Powders | | | | | | | | | | | ● | ● | | |
| ● Aggregates | | | | | | | | | | | ● | ● | | |
| ● Masonry | | | | | | | | | | | ● | ● | | |

PROTIMETER MMS3®

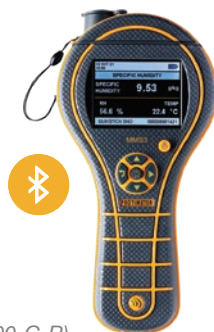


BLD9800

Complete moisture measurement system with wireless capability.

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete

- Simple to use interface with color display
- Bluetooth data recording with mobile app
- Multiple methods for moisture measurement:
 - Pin moisture measurement
 - Non-invasive moisture measurement up to 3/4" (19mm) deep
 - Ambient relative humidity and temperature measurement
 - Psychrometric calculations
 - Infrared non-contact surface temperature



**Also available in: MMS3 Flooring Kit (BLD9800-FL), Restoration Kit (BLD9800-C-R)*

PROTIMETER ReachMaster® Pro



BLD5777

Non-invasive moisture meter on a telescopic handle.

FOR USE WITH: • Wood • Drywall • Building Materials
• Concrete



- Telescopic handle adjusts from 27" to 48" (69cm to 114cm)
- Color Display: Tilt-adjustable with red, yellow and green zones
- Measurement Range: 60-999 Relative
- Simple field recalibration
- Battery Life: 80 hours on continuous operation
- Not intended for use in direct sunlight
- Intended for screening or spot comparison

PROTIMETER SurveyMaster®



BLD5375

The world's original and best-selling dual-function moisture meter with pin and non-invasive capabilities.

FOR USE WITH: • Wood • Drywall • Building Materials

- Built in pin probes
- Non-invasive moisture detection up to 3/4" (19mm) below the surface
- Simple to use operation
- Easy to read LED and LCD Display
- Complete with nylon carry pouch and heavy duty pin probe
- Pin Calibration self-check built in. Non invasive user re-calibration built in
- Bluetooth capability for use with Protimeter Connect app



Non-invasive
Moisture



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(Wood Moisture Equivalent)



Bluetooth
Enabled

PROTIMETER Aquant®



BLD5770

Rapid moisture detection with no pins.

FOR USE WITH: • Wood • Drywall • Building Materials

- Non-invasive moisture detection up to 3/4" (19mm) below the surface
- Not adversely affected by surface moisture
- Large backlit LED display and LCD display
- Bluetooth capability for use with Protimeter Connect app
- Built in user re-calibration



PROTIMETER Digital Mini®



BLD5775

A simple pin-type meter with digital display.

FOR USE WITH: • Wood • Drywall • Building Materials

- Built in pin probes
- Range 7-99% WME
- Side port for accessories
- Mini moisture probe and carry case
- Built in calibration check
- Bluetooth capability for use with Protimeter Connect app



PROTIMETER Mini®



BLD2000

Low cost, robust pin-type meter with simple to use 2-button operation.

FOR USE WITH: • Wood • Drywall • Building Materials

- Built in pin probes
- Range 6-99% WME LED color scale
- Complete with nylon carry pouch
- Calibration check device included to check functionality
- Auto shut-off



Non-invasive
Moisture



Pin Mode
(Wood Moisture Equivalent)

PROTIMETER Mini® C



BLD2001

Durable pin-type moisture meter that displays instant results on a color-coded scale.

FOR USE WITH: • Wood • Drywall • Building Materials

- Low cost, easy to use
- Range 6-30% WME LED color scale
- Wide range of wood species calibrations
- Auto shut-off



PROTIMETER TimberMaster®



BLD5675

Rugged, simple to use meter specifically designed for the timber industry.

FOR USE WITH: • Wood

- Add 10 favorite species from a list of 150 species via the Protimeter Connect app
- Ideal for quality control applications associated with the production, trading and use of wood products
- Large LCD display for ease of use in all conditions
- Bluetooth capability for use with Protimeter Connect app



PROTIMETER HygroMaster® 2



BLD7750 with HygroStick Humidity Sensor BLD7751 with Short QuikStick® Humidity Sensor

High performance, easy to use thermal hygrometer.

- Infrared non-contact surface temperature with laser pointer
- Concrete and concrete floor moisture measurement (ASTM-F2170 Standard)
- Fast temperature and humidity response
- Highly accurate
- Simple to use interface with color display
- Replaceable humidity and temperature sensor
- Psychrometric calculations
- Data logging

**Also available in: Technician's Kit (BLD5905), Dual Meter Kits (BLD7714-SM)*



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(Wood Moisture Equivalent)

PROTIMETER HygroMaster® L

BLD7750L with HygroStick Humidity Sensor

BLD7751L with Short QuikStick® Humidity Sensor

High performance, easy to use thermal hygrometer.

- Infrared non-contact surface temperature with laser pointer
- Concrete and concrete floor moisture measurement (ASTM-F2170 Standard)
- Fast temperature and humidity response
- Highly accurate
- Simple to use interface with color display
- Replaceable humidity and temperature sensor
- Psychrometric calculations
- Data logging

**Also available in: HygroMaster L Flooring Kit (BLD7750L-FL), Flood Kit (BLD5975)*



PROTIMETER BLE®



BLD2025 / BLD2030 (20 pack)

A compact device to measure and log relative humidity, temperature and moisture content with Bluetooth communication.

FOR USE WITH: • Wood • Drywall • Building Materials

- Precise measurements of relative humidity and temperature
- Data logs up to 1,000 readings
- IP65 environmental protection
- Replaceable battery
- IOS and Android app available for free download
- No monthly fees



Relative
Humidity/Temp.



Pin Mode
(Wood Moisture Equivalent)

Concrete Flooring Kits

PROTIMETER MMS[®]3 Flooring Kit[®]



BLD9800-FL - Includes MMS3 (BLD9800)

For moisture measurements in concrete floor slabs using the relative humidity in-situ probe method.

FOR USE WITH: • Concrete • Wood

Measurements Include:

- In-situ relative humidity and temperature - Required for ASTM F2170 standard
- Relative humidity and temperature in ambient conditions - Required for ASTM F2170 standard
- Surface temperature measurement
- Bluetooth data recording with mobile app
- Non-invasive instant moisture evaluation used prior to in-situ RH moisture test
- Pin-type moisture measurement for evaluating wood floor materials



PROTIMETER HygroMaster[®] Flooring Kits



BLD7750-FL - HygroMaster 2

BLD7750L-FL - HygroMaster L

For moisture measurements in concrete floor slabs using the relative humidity in-situ probe method.

FOR USE WITH: • Concrete

Measurements Include:

- In-situ relative humidity and temperature - Required for ASTM F2170 standard
- Relative humidity and temperature in ambient conditions - Required for ASTM F2170 standard



Non-invasive
Moisture



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(Wood Moisture Equivalent)

Survey Kits

PROTIMETER Technician's Kit®



BLD5905

HygroMaster 2 + SurveyMaster + Heavy Duty Hammer Electrode

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete

Flexibility in a durable carrying case with foam inserts to protect meters and accessories.



PROTIMETER Restoration Kit®



BLD9800-C-R - MMS3 + Probes + Heavy Duty Hammer Electrode

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete

Everything you need in one case.

Also includes: QuikStick® Sensor and extension lead, calibration check device, logging software and cable, all-in-one foam insert hard carrying case.



PROTIMETER Flood Kit®



BLD5975

HygroMaster L + SurveyMaster + Moisture Probes

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete

The perfect kit for flood damage restoration.



Moisture Meters ROADS & FOUNDRY

PROTIMETER Speedy®

L2000 - Large Speedy

S2000 - Standard Speedy

Combines time-proven dependability of the pressure test procedure with the convenience of electronic balance.

FOR USE WITH: • Soil • Sand • Powders • Aggregates • Masonry

- Accurate and simple to use
- Robust and reliable
- Portable and requires no external power source
- Versatile – Measures a wide range of materials over a wide moisture content range



PROTIMETER GrainMaster® i2

GRN3100

Integrated moisture and temperature measurement for grain crops and hay/straw bales.

FOR USE WITH: • Grain • Hay • Straw

- Unrivalled repeatability and accuracy
- Pre-programmed crop calibrations
- Optional probes also available to measure temperature



PROTIMETER BaleMaster®



GRN6175

Durable meter for rapid assessment of moisture levels in straw and hay bales.

FOR USE WITH: • Straw • Hay

- Large, easy to read LCD digital display
- Color arc LED display to show moisture condition
- Audible tone
- Supplied with durable 24" (600mm) stainless steel probe designed to reach the center of large bales
- Bluetooth capability for use with ProTimeter Connect app



Common Accessories



| Part No. | Description | MMS3 | SurveyMaster | Digital Mini Mini/Mini C/ | TimberMaster | Application(s) |
|----------|--------------------------|------|--------------|---------------------------|--------------|--|
| BLD5025 | Baseboard Moisture Probe | ✓ | ✓ | ✓ | ✓ | Measure moisture behind baseboard moldings and in sill plates |
| BLD5035 | Extension Moisture Probe | ✓ | ✓ | ✓ | ✓ | Locate missing or wet insulation in wall cavities and crawl spaces |
| BLD5055 | Hammer Electrode | ✓ | ✓ | ✓ | ✓ | Measure moisture at varying depths in hard and softwoods |

PROTIMETER Connect App

Protimeter devices with Bluetooth are able to use the free Protimeter Connect App. The app allows users to record measurement readings and photos.

Connect App Features

- Store data readings from all functions of the meter
- Allows individual job set up
- Time and date stamp
- Material type and measurement locations
- GPS location
- Photos with embossed measurement readings
- Remote web browser access to readings and photos



Android app



iOS app







Accessories & Parts



| | Part No. | Description | MMS3 | SurveyMaster | Digital Mini/Mini C | TimberMaster | Application(s) |
|--|--------------------|--|------|--------------|---------------------|--------------|---|
|  | BLD5070 | EIFS Probe | ✓ | ✓ | ✓ | ✓ | Deep wall probes mounted on a handle |
|  | BLD0500 | Pin Needles 20-pack | ✓ | ✓ | ✓ | ✓ | Replacement pin needles that fit the top of the meter |
|  | BLD0501 | Ferrule Nuts 2-pack | ✓ | ✓ | ✓ | ✓ | Retaining nut for the pins on the top of the meter |
|  | BLD5018 BLD5019 | 5" / 14" Deep Wall Probes | ✓ | ✓ | ✓ | ✓ | Insulated probes for measurement at depth in wall cavities and floors |
|  | BLD5060 | Heavy Duty Moisture Probe | ✓ | ✓ | ✓ | ✓ | Plug-in moisture probe |
|  | BLD5086 | Calcheck Device (For pin-type meter range) | ✓ | ✓ | ✓ | ✓ | Device to check the accuracy of all Protimeter pin meters |
|  | BLD5296 | Spare Needles for BLD5055 10-pack | ✓ | ✓ | ✓ | ✓ | Spare needles for the Heavy Duty Hammer Electrode |

Accessories & Parts - Hygrometers



| | Part No. | Description | MMS3 | HygroMaster 2 | HygroMaster L | Application(s) |
|--|------------|------------------------------------|------|---------------|---------------|---|
|  | BLD4755-5 | Mini HygroStick 5-pack | ✓ | ✓ | ✓ | Sensors specifically designed for concrete floor moisture measurement |
|  | BLD4755-EX | Extractor Tool | ✓ | ✓ | ✓ | Tool required to remove mini Hygrosticks from concrete floor sleeves |
|  | BLD5806 | Extension Lead for Mini HygroStick | ✓ | ✓ | ✓ | For reading mini HygroSticks in flooring applications |
|  | BLD5808 | Plug-in Surface Temperature Probe | ✓ | ✓ | | For high accuracy measurement of surfaces for dew-point measurement |
|  | POL4750 | HygroStick Sensor | ✓ | ✓ | ✓ | For high humidity applications |
|  | POL8751 | Short QuikStick® Sensor | ✓ | ✓ | ✓ | For general humidity and temperature measurement |

Warranty

Standard Limited Warranty for 24-months on mechanical or manufacturer defects. Does not include wearing of parts or accessories, which have a 12-month warranty for normal use.

To receive an extra 3 months of warranty on instruments, register your meter online.

<https://www.protimeter.com/registration>

Replacement Program

Amphenol Advanced Sensors offers a service or replacement program for Protimeter products. If your unit has failed, the Protimeter replacement program provides you with a brand new instrument per the latest specifications.

Simply complete the RMA Form found at:
www.protimeter.com/rma.

After receiving the completed RMA Form, we will issue RMA-# and label for you to send with your return. In order to avoid delays in processing your return, be sure to attach a copy of the RMA label to the outside of your shipping container.

The non-working unit should be returned to us (without accessories). If a replacement unit is purchased, we will ship the replacement unit (without accessories) at a discounted price.

*Please do not return your meter without first obtaining RMA-# and label.

Contact Your Protimeter Distributor:

North and South America

Tel: +1 814.834.9140

Email: StMarysCC@amphenol-sensors.com

Europe, Middle East, Africa and Asia

Tel: +44.1823.335.200

Email: Taunton.cc@amphenol-sensors.com

www.protimeter.com



Amphenol
Sensors

Follow us on Social Media for the latest videos and product information.

