


PROTIMETER

**Moisture
Meters**

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



NEURTEK
Instruments

www.neurtek.com · protimeter.com

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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.



PROTIMETER



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: GE sells Advanced Sensors, including Protimeter, to Amphenol Corporation.

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

METER FUNCTION

| | MMS2 | SurveyMaster | Aquant | Digital Mini | Mini/Mini C | TimberMaster | HygroMaster 2 | HygroMaster L | BLE | Std Speedy | Large Speedy | GrainMaster i2 | BaleMaster |
|---------------------------------------|------|--------------|--------|--------------|-------------|--------------|---------------|---------------|-----|------------|--------------|----------------|------------|
| 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 | ● | ● | | ● | ● | ● | | | | | | | |

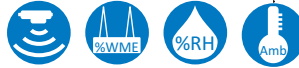
APPLICATIONS

| | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | ● | | | | | | ● | | | | | | |
| Marine Survey | | ● | ● | | | | | | | | | | |

MATERIALS

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

PROTIMETER MMS2®



BLD8800

Multi-function moisture meter.

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete
• Fiberglass Boat Hulls

- Simple to use interface with color display
- Data logging
- 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: MMS2 Flooring Kit (BLD8800-FL), Restoration Kit (BLD8800-C-R)*

PROTIMETER SurveyMaster®



BLD5365

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

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete
• Fiberglass Boat Hulls

- Built-in pin probes
- Non-invasive moisture detection up to 3/4" (19mm) below the surface
- Simple to use 2-button operation
- Easy to read LED and LCD Display
- Complete with nylon carry pouch, remote pin probe, deep wall probes
- Calibration check device included to quickly check functionality



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

PROTIMETER Aquant®



BLD5765

Rapid moisture detection with no pins.

FOR USE WITH: • Wood • Drywall • Building Materials • Concrete
• Fiberglass Boat Hulls

- Non-invasive moisture detection up to 3/4" (19mm) below the surface
- Not adversely affected by surface moisture
- Large back-lit LED display and LCD display



**Also available in: Dual Meter Kit (BLD7714-AQ)*



Non-invasive
Moisture



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(wood moisture equivalent)

PROTIMETER Digital Mini®



BLD5702

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
- Calibration check device and instructions



**Also available in: Dual Meter Kit (BLD7714-DM)*

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 and remote pin probe
- Calibration check device included to check functionality
- Auto shut-off



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®



BLD5605

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

FOR USE WITH: • Wood

- Built-in wood calibration scales for 150 species of wood
- 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
- Optional plug-in temperature probe
- Automatic temperature compensation



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/DM/AQ)*

PROTIMETER HygroMaster® L

BLD7750L with HygroStick Humidity Sensor
BLD7751L with short QuikStick Humidity Sensor

High performance, easy to use thermal hygrometer.

- Dewpoint and Specific Humidity (GPP, g/Kg)
- Simple to use interface
- Fast response / High accuracy
- Replaceable humidity and temperature sensor
- Flood damage restoration
- Building survey
- Concrete and concrete floor moisture measurement (ASTM-F2170 Standard)
- HVAC test and measurement



**Also available in: HygroMaster L Flooring Kit (BLD7750-FL), Flood Kit (BLD5975)*

PROTIMETER BLE®

BLD2025

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.



Surface Temperature



Pin Mode
(wood moisture equivalent)

Concrete Flooring Kits

PROTIMETER MMS2® Flooring Kit

BLD8800-FL - Includes MMS2 (BLD8800)



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 the ambient conditions - Required for ASTM F2170 standard
- Surface temperature measurement
- Data logging
- Non-invasive instant moisture evaluation used prior to in-situ RH moisture test
- Pin type moisture measurement for evaluating wood floor materials



PROTIMETER HygroMaster® L Flooring Kit

BLD7750-FL - Includes HygroMaster L (BLD7751)



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 the ambient conditions - Required for ASTM F2170 standard



SCAN ME!
To watch demo video of MMS2 Flooring Kit



Non-Invasive
Moisture



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(wood moisture equivalent)

Survey Kits

PROTIMETER Dual Meter Kits

Our most popular meters in one convenient case.

BLD7714-SM

HygroMaster 2 + SurveyMaster

Also includes: Deep wall probes, heavy duty moisture probe and thermoformed case



BLD7714-DM

HygroMaster 2 + Digital Mini

Also includes: Moisture probe and thermoformed case



BLD7714-AQ

HygroMaster 2 + Aquant

Also includes: Thermoformed case



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®



BLD8800-C-R - MMS2 + Probes + Heavy Duty Hammer Electrode
Everything you need in one case.

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

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 + Baseboard Moisture Probe + Wall Moisture Probe

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

The perfect kit for flood damage restoration.



Non-invasive
Moisture



Relative
Humidity/Temp.



Surface
Temperature



Pin Mode
(wood moisture equivalent)

Moisture Meters ROADS & FOUNDRY

PROTIMETER Speedy®

L2000, S2000

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
- Two kits available



PROTIMETER GrainMaster® i2 GRN3100

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

FOR USE WITH: • Grain • Hay • Straw

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



PROTIMETER BaleMaster® GRN6165

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 600mm (24") stainless steel probe designed to reach the center of large bales



Common Accessories



| | Part No. | Description | MMS2 | 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 |
|  | BLD5000 *Not available in North America. | Hammer Probe | ✓ | ✓ | ✓ | ✓ | Inspect timber |










Accessories & Parts



| | Part No. | Description | MMS2 | SurveyMaster | Digital Mini/Mini/Mini C | TimberMaster | Application(s) |
|--|-------------------------------|--|------|--------------|--------------------------|--------------|--|
|  | BLD5070 | EIFS Probe | ✓ | ✓ | ✓ | ✓ | Deep wall probes mounted on a handle |
|  | BLD0500 | 20 pack of pin needles | ✓ | ✓ | ✓ | ✓ | 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 BLD5020 BLD5019 | 5" / 9" / 14" Deep Wall Probes | ✓ | ✓ | ✓ | ✓ | Insulated for measurement at depth in wall cavities and floors |
|  | BLD5059 | Temperature Sensor for TimberMaster | | | | ✓ | When used in conjunction with the TimberMaster, readings are automatically compensated for temperature |
|  | BLD5060 | Heavy Duty Moisture Probe | ✓ | ✓ | ✓ | ✓ | Plug-in moisture probe |
|  | BLD5086 | Calcheck Device (for pin-type meter range) | ✓ | ✓ | ✓ | ✓ | 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 | MMS2 | HygroMaster 2 | HygroMaster L | Application(s) |
|--|------------|---|------|---------------|---------------|---|
|  | BLD4755-5 | Mini HygroStik with traceable cert 5-pack | ✓ | ✓ | ✓ | Sensors specifically designed for concrete floor moisture measurement |
|  | BLD4755-EX | Extractor Tool | ✓ | ✓ | ✓ | Required to remove mini HygroSticks from concrete floor sleeves |
|  | BLD5806 | Extension Lead for Mini HygroStik | ✓ | ✓ | ✓ | Extension lead for reading mini HygroStiks in flooring applications |
|  | BLD5808 | Plug-in Surface Temperature Probe | ✓ | ✓ | | High accuracy measurement of surfaces for dew point measurement |
|  | POL4750 | HygroStik Sensor | ✓ | ✓ | ✓ | For high humidity applications |
|  | POL8750 | Standard Quikstick Sensor | ✓ | ✓ | ✓ | For general humidity and temperature measurement |
|  | 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.

www.registeryourmeter.com

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 we receive 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.*

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





It's the moisture you can't see that matters most...



...that's why the right moisture meter makes all the difference.

Contact Your Protimeter Distributor



i n s t r u m e n t s

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