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Protimeter BLD5375

Protimeter SurveyMaster Dual-Function Moisture Meter - BLD5375 User Manual

Comprehensive guide for setup, operation, and maintenance of your Protimeter SurveyMaster moisture meter.

Introduction	Setup	Operation	Maintenance Warranty & Support	Troubleshooting	Specifications
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1. INTRODUCTION

The Protimeter SurveyMaster Dual-Function Moisture Meter (Model BLD5375) is a versatile instrument designed for accurately assessing moisture levels in various building materials. It features both pin and non-invasive measurement capabilities, allowing for comprehensive moisture evaluation both on and below the surface. This manual provides essential information for the proper setup, operation, and maintenance of your device.



Figure 1: Protimeter SurveyMaster in non-invasive mode, displaying a relative moisture reading.

2. SETUP

2.1. Unboxing and Included Components

Upon opening the product packaging, verify that all components are present. The Protimeter SurveyMaster BLD5375 package typically includes:

- Protimeter SurveyMaster Instrument

- Carrying Case
- Heavy Duty (HD) Moisture Content (MC) Pin Probe
- Quick Start Guide
- Wood Calibration Chart
- Spare Pins
- Wrist Lanyard



Figure 2: The Protimeter SurveyMaster and its standard accessories, including the carrying case and pin probe, as found in the product packaging.

2.2. Battery Installation

The SurveyMaster operates on two AA batteries. These batteries are pre-installed at the factory. To activate the device for first use, locate the battery compartment on the back of the meter and remove the protective tab. Ensure the battery cap is securely clipped back into place after removing the tab.



Figure 3: Side view of the Protimeter SurveyMaster, highlighting the battery compartment and the port for external probes.

3. OPERATION

3.1. Powering On and Mode Selection

To power on the SurveyMaster, press and hold the lower button located on the front panel. The device features a large display for clear readings. Once powered on, you can switch between pin mode and non-invasive mode by pressing the right-hand button.



Figure 4: The Protimeter SurveyMaster in pin mode, displaying a moisture percentage reading. The protective cap is attached to the lanyard.

3.2. Non-Invasive Measurement

The non-invasive mode allows for moisture detection below surfaces such as vinyl, tile, and directly on building materials. This mode can measure up to 3/4 inch (19mm) deep and is designed to penetrate surface moisture, providing a significant advantage in various inspection scenarios.



Figure 5: An inspector using the non-invasive mode of the Protimeter SurveyMaster on a wooden floor to detect hidden moisture.

3.3. Pin Measurement

For direct moisture content readings, extend the pins from the top of the device. The pin mode provides precise measurements for materials like wood and drywall. Spare pins are included in the package for replacement. The included HD MC Pin Probe can be connected to the side port for extended reach or specialized applications.



Figure 6: The Protimeter SurveyMaster with the external HD MC Pin Probe connected, ready for pin measurements.



Figure 7: An inspector using the Protimeter SurveyMaster's integrated pins to measure moisture directly on a wall surface.

3.4. Bluetooth Connectivity and Protimeter Connect App

The SurveyMaster features Bluetooth capabilities, allowing it to connect with the Protimeter Connect app. This app enables users to save and download readings with time and date stamps, and also to take photos associated with the readings for comprehensive documentation. To activate or deactivate Bluetooth, press and hold the left-hand button. A flashing Bluetooth symbol indicates it's not connected, while a solid symbol indicates a successful connection.

3.5. Reference Mode

The reference mode allows you to store a "dry standard" reading. Subsequent measurements can then be compared against this stored reference, showing how many points above or below the original reading they are. This feature is useful for tracking changes in moisture levels relative to a known dry state. The reference reading remains in the meter's memory until the device is turned off.

3.6. Settings and Calibration

Access the settings menu by pressing the left-hand button. Here, you can adjust various parameters:

- **Language:** Change the display language.
- **Beeper:** Turn the audible beeper on or off.
- **Backlight:** Adjust the display backlight intensity (e.g., set to 10 for bright outdoor conditions).
- **Auto-Off:** Configure the automatic shut-off time (0-10 minutes) or disable it.
- **Dry/At Risk/Wet Indicators:** Toggle the visual moisture indicators on or off.

The meter performs an automatic calibration check for the pin mode every 50 power cycles. Additionally, the non-invasive function can be field-calibrated to ensure accuracy. This provides confidence in the meter's readings at all times.

4. MAINTENANCE

To ensure the longevity and accuracy of your Protimeter SurveyMaster, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a dry, soft cloth. Avoid using abrasive cleaners or solvents.
- **Pin Replacement:** Replace worn or damaged pins using the spare pins provided.
- **Storage:** Store the meter in its provided carrying case in a dry, cool environment when not in use.
- **Battery Care:** While the meter uses long-lasting AA batteries, replace them when the battery indicator shows low power to maintain optimal performance.

5. TROUBLESHOOTING

For detailed troubleshooting steps or if you encounter issues not covered in this manual, please refer to the full user manual available via the QR code on the back of the meter or in the Quick Start Guide. This QR code also provides access to instructional videos and additional support information.

Your browser does not support the video tag.

Video: Protimeter SurveyMaster Moisture meter with Bluetooth BLD5375. This video provides a comprehensive overview of the meter's features and basic operation, including unboxing, battery installation, mode selection, and settings.


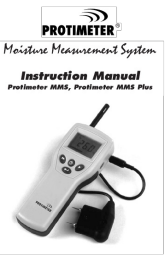
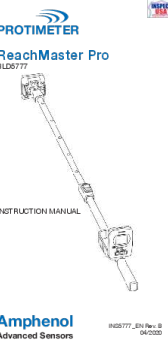



6. SPECIFICATIONS

Model Number	BLD5375
Manufacturer	Amphenol Advanced Sensors
Item Weight	1.32 pounds
Product Dimensions	9 x 6 x 3 inches
Power Source	Battery Powered (2x AA Alkaline)
Measurement Type	Dual-Function (Pin and Non-Invasive)
Non-Invasive Depth	Up to 3/4 inch (19mm)
Connectivity	Bluetooth (for Protimeter Connect app)
Calibration	Automatic (pin mode every 50 cycles), Field-calibratable (non-invasive mode)

7. WARRANTY & SUPPORT

The Protimeter SurveyMaster BLD5375 comes with a **two-year warranty**. For additional warranty information or to register your product, please visit the official Protimeter website. Online resources, including the full manual and instructional videos, are also available to assist with any operational or technical queries. For further assistance, please contact Protimeter customer support through their official channels.

Related Documents - BLD5375

 <p>PROTIMETER MMS3 Protimeter Connect-appen</p> <p>Learn about the Protimeter MMS3 Connect App, available on the App Store and Google Play. This app allows users to connect to the MMS3, manage jobs, record readings, take photos, and send data via email.</p> <p>Amphenol Advanced Sensors</p>	<p>Protimeter MMS3 Connect App: Features and Usage</p> <p>Learn about the Protimeter MMS3 Connect App, available on the App Store and Google Play. This app allows users to connect to the MMS3, manage jobs, record readings, take photos, and send data via email.</p>
 <p>PROTIMETER Moisture Measurement System Instruction Manual Protimeter MMS, Protimeter MMS Plus</p> <p>Comprehensive instruction manual for the Protimeter MMS and MMS Plus moisture measurement systems, detailing operation modes, diagnostics, and maintenance for building moisture assessment.</p>	<p>Protimeter MMS Moisture Measurement System Instruction Manual</p> <p>Comprehensive instruction manual for the Protimeter MMS and MMS Plus moisture measurement systems, detailing operation modes, diagnostics, and maintenance for building moisture assessment.</p>
 <p>PROTIMETER ReachMaster Pro BLD5777</p> <p>INSTRUCTION MANUAL</p> <p>Amphenol Advanced Sensors</p> <p>BLD5777, 270 Rev. 02 04/2020</p> <p>Comprehensive instruction manual for the Protimeter ReachMaster Pro BLD5777 moisture meter, covering setup, operation, features, maintenance, and technical specifications.</p>	<p>Protimeter ReachMaster Pro BLD5777: Instruction Manual & Specifications</p> <p>Comprehensive instruction manual for the Protimeter ReachMaster Pro BLD5777 moisture meter, covering setup, operation, features, maintenance, and technical specifications.</p>
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 <p>PROTIMETER MMS3 Protimeter Connect App</p> <p>Explore the Protimeter MMS3 Connect mobile application for iOS and Android. Learn about its features for recording, managing, and sharing moisture and humidity readings with the Protimeter MMS3 device.</p> <p>Amphenol Advanced Sensors</p>	<p>Protimeter MMS3 Connect App: Features and Functionality</p> <p>Explore the Protimeter MMS3 Connect mobile application for iOS and Android. Learn about its features for recording, managing, and sharing moisture and humidity readings with the Protimeter MMS3 device.</p>
 <p>PROTIMETER MMS3 Protimeter Connect App</p> <p>Explore the Protimeter MMS3 Connect App, a mobile application designed to enhance the functionality of the Protimeter MMS3 moisture meter. Features include job setup, live reading capture, photo integration, and data sharing via email.</p> <p>Amphenol Advanced Sensors</p>	<p>Protimeter MMS3 Connect App Overview</p> <p>Explore the Protimeter MMS3 Connect App, a mobile application designed to enhance the functionality of the Protimeter MMS3 moisture meter. Features include job setup, live reading capture, photo integration, and data sharing via email.</p>

