

RISEPRO MT1905

RISEPRO MT1905 Wood and Building Material Moisture Meter

User Manual

INTRODUCTION

The RISEPRO MT1905 is a digital moisture meter designed for accurately measuring moisture content in various materials, primarily wood and building materials. This device utilizes two high-precision metal pins to penetrate surfaces and quickly determine moisture levels. It is an essential tool for homeowners, woodworkers, floor installers, and inspectors to detect hidden water leaks and ensure material quality.

KEY FEATURES

- **High Accuracy & Quick Measurement:** Equipped with two sensitive metal pins for precise and rapid moisture detection in wood, walls, and other building materials.
- **Professional Wood Measurement:** Features 8 calibration scales (A-H) to accurately measure moisture content (MC) for various wood types, helping prevent cracks and warping.
- **Two Measurement Modes:** Dedicated modes for Wood (6% to 60%) and Building Materials (1.5% to 33%) to cover a wide range of applications.
- **Wide Measurement Range & Indicators:** Offers a broad measuring range with 0.1% resolution. Includes Low, Mid, and High moisture content alerts, along with color indicators (green for dry, yellow for moderate, red for high) for easy interpretation.
- **Large Backlit LCD Display:** A clear, bright green backlit LCD screen ensures easy readability in various lighting conditions.
- **User-Friendly Functions:** Includes HOLD function to freeze readings, memory function for saving up to 20 groups of data, switchable Celsius/Fahrenheit temperature display, and automatic power-off for battery conservation.

2 MEASUREMENT MODES

WOOD

6%~60%

Temperature Range: 0~50°C (32~122°F)



Building Material

1.5%~33%

Temperature Range: 0~50°C (32~122°F)



Image: Overview of the RISEPRO MT1905 display showing key features like progress display, temperature, moisture value, calibration scales, and low/mid/high indicators.

SAFETY INFORMATION

- Always handle the meter with care. The measurement pins are sharp and can cause injury.
- Do not attempt to measure live electrical circuits. This device is not designed for electrical testing.
- Keep the device away from water and excessive humidity to prevent damage.
- Store the meter in a dry, cool place when not in use.
- Do not disassemble or modify the device. Repairs should only be performed by qualified personnel.
- Dispose of batteries according to local regulations.

PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- RISEPRO MT1905 Moisture Meter
- Protective Cap for pins
- User Manual
- Batteries (typically 2x AAA, though not explicitly stated, implied by image)



Image: The RISEPRO MT1905 moisture meter, its protective cap, user manual, and two AAA batteries, as typically found in the product package.

DEVICE OVERVIEW

Familiarize yourself with the components of your RISEPRO MT1905 moisture meter:

1. **Measurement Pins:** Two sharp electrodes for penetrating material surfaces.
2. **Protective Cap:** Covers the pins when not in use.
3. **LCD Display:** Shows moisture content, temperature, mode, and other indicators.
4. **Power/Mode Button:** Turns the device on/off and switches between measurement modes.
5. **HOLD Button:** Freezes the current reading on the display.

6. **°C/°F Button:** Toggles between Celsius and Fahrenheit temperature units.
7. **Arrow Buttons (Up/Down):** Used for selecting wood calibration scales or navigating menus (if applicable).
8. **Battery Compartment:** Located at the rear, for battery installation.

2 MEASUREMENT MODES

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Image: A detailed view of the RISEPRO MT1905 moisture meter's front panel, highlighting the LCD display, buttons, and measurement pins.

SETUP

1. Installing Batteries

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open it.
3. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

2. Initial Power-On

- Remove the protective cap from the measurement pins.
- Press the **MODE** button to turn on the device. The LCD display will illuminate.

OPERATING INSTRUCTIONS

1. Power On/Off

- To turn on, press the **MODE** button.
- To turn off, press and hold the **MODE** button for approximately 3 seconds. The device also features an automatic power-off function after a period of inactivity to conserve battery life.

2. Selecting Measurement Mode

The MT1905 has two primary measurement modes: Wood and Building Material.

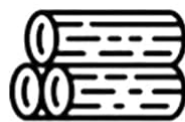
- Press the **MODE** button repeatedly to cycle between "WOOD" and "BLDG" (Building Material) modes. The selected mode will be indicated on the LCD display.



HIGHLY ACCURATE

Resolution 0.1%

Accuracy $\pm 2\%$



WOOD

6%~60%



BLDG

1.5%~33%

Image: The RISEPRO MT1905 moisture meter displaying its two measurement modes: Wood (left) and Building Material (right), along with their respective temperature ranges.

3. Selecting Wood Calibration Scale (A-H)

When in "WOOD" mode, you can select one of 8 calibration scales (A through H) to match the specific type of wood being measured. Refer to the wood type chart (usually provided in the full manual or on the device itself) to determine the correct scale for your material.

- In "WOOD" mode, use the **Arrow Up/Down** buttons to cycle through the calibration scales (A, B, C, D, E, F, G, H). The selected scale will be displayed on the LCD.

4. Taking a Measurement

1. Ensure the protective cap is removed from the pins.

2. Select the appropriate measurement mode (Wood or Building Material) and, if in Wood mode, the correct calibration scale.
3. Carefully push the two measurement pins into the material surface to the desired depth. Ensure both pins are fully inserted and making good contact with the material.
4. The moisture content percentage (%) will be displayed on the LCD screen almost instantly.
5. For consistent results, take multiple readings in different spots on the material.

5. HOLD Function

- Press the **HOLD** button to freeze the current reading on the display. This is useful when taking measurements in hard-to-reach areas.
- Press the **HOLD** button again to release the reading and return to live measurement.

6. Changing Temperature Unit

- Press the **°C/°F** button to switch the ambient temperature display between Celsius and Fahrenheit.

UNDERSTANDING READINGS

The MT1905 provides visual indicators to help interpret moisture levels:

- **Low Moisture:** Indicated by a **green light** or "LOW" on the display. For wood, this typically means moisture content is below 12%.
- **Mid Moisture:** Indicated by a **yellow light** or "MID" on the display. For wood, this typically means moisture content is between 12% and 15.9%.
- **High Moisture:** Indicated by a **red light** or "HIGH" on the display. For wood, this typically means moisture content is 16% or higher.

These indicators provide a quick visual assessment of the material's moisture condition.

KEY FEATURES



Image: The RISEPRO MT1905 moisture meter displaying its high accuracy (0.1% resolution, $\pm 2\%$ accuracy) and measurement ranges for wood (6%-60%) and building materials (1.5%-33%).

APPLICATIONS

The RISEPRO MT1905 is suitable for a wide range of applications, including:

- **Woodworking:** Measuring moisture in hardwood floors, cabinets, furniture, lumber, beams, plywood, and other wood products to prevent warping and cracking.
- **Construction:** Assessing moisture in walls, concrete, plaster, and other building materials to detect leaks or ensure readiness for painting/finishing.
- **Home Inspection:** Identifying potential water damage in homes.

- **Agricultural Repair:** Checking moisture in various agricultural materials.
- **Floor Laying:** Ensuring subfloors and flooring materials have appropriate moisture levels.



Image: Collage showing various applications for the RISEPRO MT1905 moisture meter, including detecting water damage in walls, measuring moisture in wood, building materials like bricks, and carpet/flooring.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Always replace the protective cap over the measurement pins when the meter is not in use to prevent damage and injury. Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Pin Condition:** Ensure the measurement pins are clean and sharp. If they become dull or bent, they may affect measurement accuracy.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh AAA batteries.
Inaccurate readings.	Incorrect mode selected; pins not fully inserted; pins dirty/damaged; material outside measurement range.	Ensure correct mode (Wood/BLDG) and wood calibration scale. Push pins firmly into the material. Clean pins. Verify material is within the device's measurement range.
Display is dim or flickering.	Low battery power.	Replace batteries.
"HOLD" function not releasing.	User error.	Press the HOLD button again to deactivate.

SPECIFICATIONS

- **Model:** MT1905
- **Measurement Principle:** Electrical Resistance
- **Wood Moisture Range:** 6% - 60%
- **Building Material Moisture Range:** 1.5% - 33%
- **Resolution:** 0.1%
- **Accuracy:** $\pm 2\%$ (for wood, typical)
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- **Power Supply:** 2 x AAA Batteries
- **Display:** Large Backlit LCD
- **Auto Power Off:** Yes
- **Data Hold:** Yes
- **Memory Function:** 20 groups of data

WARRANTY AND SUPPORT

RISEPRO products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact details provided on the product packaging or the official RISEPRO website. Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question