

Baxnore WM700A

Baxnore WM700A Pinless Moisture Meter User Manual

Model: WM700A

1. INTRODUCTION

The Baxnore WM700A is a versatile pinless moisture meter designed for non-destructive measurement of moisture content in various materials. It features a digital display, multiple measurement modes for different material types, and additional functions for measuring ambient temperature and humidity. This manual provides detailed instructions for the safe and effective use of your WM700A moisture meter.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not attempt to disassemble or modify the meter. This may cause damage and void the warranty.
- Keep the device away from water and high humidity environments to prevent damage.
- Store the meter in a dry, cool place when not in use.
- Use the device only for its intended purpose as a moisture, temperature, and humidity detector.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 × Baxnore WM700A Pinless Moisture Meter
- 1 × Cross Screwdriver (for battery compartment, if applicable)
- 1 × User Manual (this document)
- 1 × Storage Bag



Figure 3.1: Baxnore WM700A Pinless Moisture Meter, storage bag, and screwdriver.

This image shows the main components included in the product package: the WM700A moisture meter, a grey drawstring storage bag, and a small cross-head screwdriver.

4. PRODUCT OVERVIEW

The WM700A is designed for ease of use and accurate readings. Key features include:

- **4-in-1 Measurement:** Dedicated modes for wood, hardwood, drywall, and masonry.
- **Pinless Sensor Technology:** Non-destructive measurement using electromagnetic waves.
- **Ambient Sensing:** Measures current ambient temperature and humidity.
- **Large LCD Display:** Color screen with digital and analog dual display for clear readability.
- **Alerts:** Automatic alerts for high moisture levels (e.g., 17% for wood, 70% for wall humidity).
- **Convenience Features:** Data hold and one-click reset function.

4.1. Device Components

VA Full Viewing Angle Reverse Display Color Screen

High-definition color screen, digital and analog dual display, easy to read



Figure 4.1: VA Full Viewing Angle Reverse Display Color Screen.

This image highlights the high-definition color screen of the WM700A, featuring both digital and analog displays for easy reading of moisture levels, temperature, and humidity.

High-precision Electromagnetic Wave Sensor

The thickness of the measured object must be greater than 20mm, and the area of the measured object must be greater than 40X40mm



Figure 4.2: High-precision Electromagnetic Wave Sensor.

This image illustrates the location of the high-precision electromagnetic wave sensor on the back of the device, which enables non-destructive moisture detection. For accurate readings, the measured object's thickness must be greater than 20mm and its area greater than 40x40mm.

Ambient Temperature and Humidity

Automatically measure the current ambient temperature and humidity



Figure 4.3: Ambient Temperature and Humidity Sensor.

This image points out the integrated sensor responsible for automatically measuring the current ambient temperature and humidity, displayed on the meter's screen.



Figure 4.4: Side view of the WM700A showing the sensor grille.

This image provides a side view of the WM700A, highlighting the small grille on the side, which houses the ambient temperature and humidity sensor.

5. SETUP

5.1. Battery Installation

The WM700A requires batteries for operation. While the product description states "Batteries Included? No" and "Batteries Required? No", this typically indicates that the device uses an internal rechargeable battery or that batteries are not supplied with the unit and must be purchased separately. Please check the battery compartment, usually located on the back of the device, and insert the correct type and number of batteries (e.g., AAA or 9V, not specified in provided data) if required. Ensure correct polarity.

5.2. Power On/Off

Press the power button (usually marked with a power symbol) to turn the device on. Press and hold the power button to turn it off.

6. OPERATING INSTRUCTIONS

6.1. Selecting Measurement Mode

The WM700A offers four distinct measurement modes for different materials. Use the "SEL" (Select) button to cycle through these modes:

1. **Wood:** For general wood types.
2. **Hardwood:** Specifically calibrated for denser hardwood materials.
3. **Drywall:** For gypsum board and similar wall materials.
4. **Masonry:** For brick, concrete, and other masonry surfaces.

The selected mode will be indicated on the LCD screen.

6.2. Taking a Moisture Measurement

To measure moisture content:

1. Turn on the meter.
2. Select the appropriate material mode using the "SEL" button.
3. Place the back of the meter (where the sensor is located) flat against the surface of the material you wish to measure. Ensure full contact.
4. Read the moisture content displayed on the LCD screen. The meter will provide an instant reading.
5. Observe any automatic alerts: an alarm sounds if wood moisture reaches 17% or wall humidity exceeds 70%.

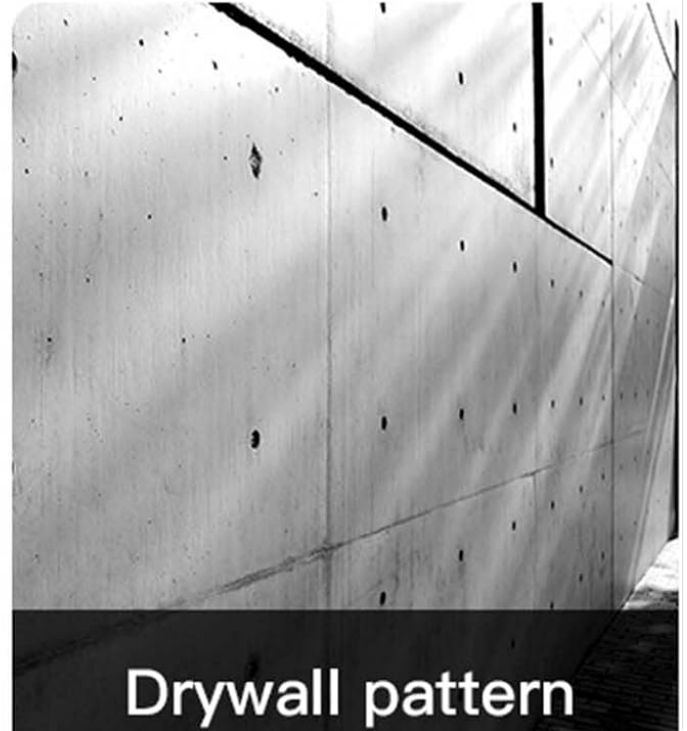
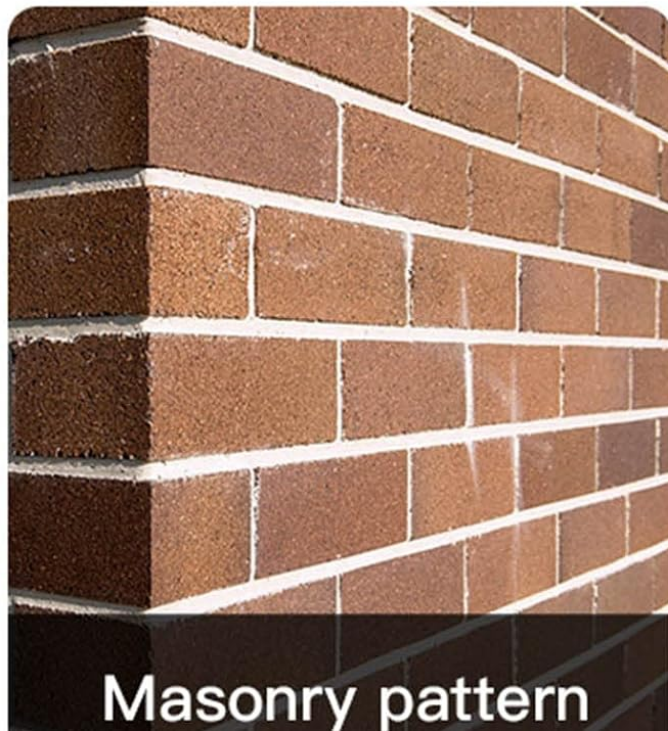
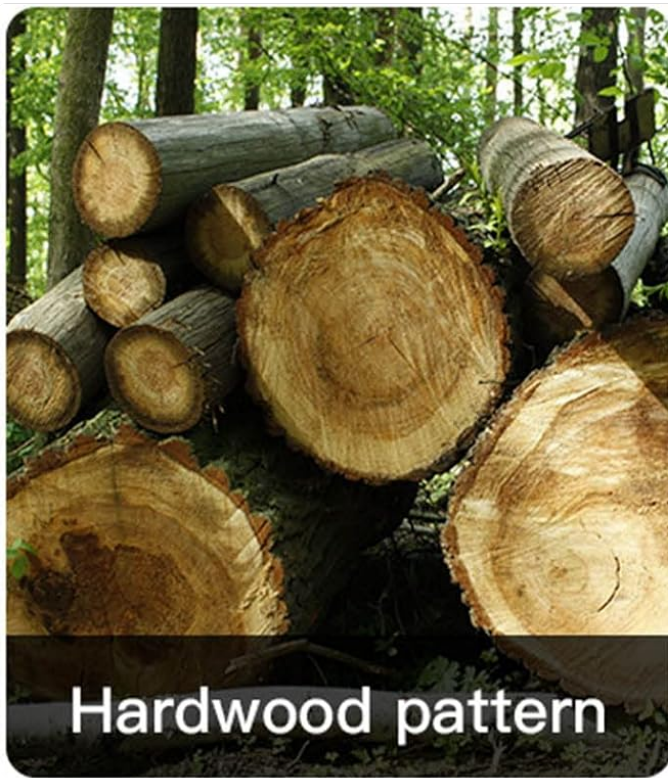


Figure 6.1: Moisture detection on a wooden surface.

This image demonstrates how to hold the WM700A against a wooden surface to obtain a moisture reading. The blue concentric circles indicate the electromagnetic field used for detection.

Moisture Detector

Can detect the water content in softwood
hardwood, gypsum wall
brick wall and other materials



Figure 6.2: Examples of materials for moisture measurement.

This composite image displays examples of the different material types the WM700A can measure: hardwood, softwood, masonry, and drywall. It helps users identify the correct mode for their application.



DRYWALL



MASONRY



SOFTWOOD



HARDWOOD

Figure 6.3: Measuring moisture on various materials.

This composite image illustrates the WM700A being used to measure moisture content on drywall, masonry, softwood, and hardwood surfaces, demonstrating its versatility across different material types.

6.3. Ambient Temperature and Humidity Measurement

The WM700A automatically displays the current ambient temperature and humidity on its screen. No special action is required to activate this feature; it operates continuously while the device is on.

6.4. Data Hold Function

Press the "HOLD" button to freeze the current reading on the display. This is useful for recording measurements in hard-to-reach areas or for closer inspection. Press "HOLD" again to release the reading and resume live measurement.

6.5. One-Click Reset Function

The "ZERO" button allows for a one-click reset of the measurement. This can be used to re-calibrate the sensor or clear previous readings before a new measurement session.

6.6. Temperature Unit Switching (°C/°F)

Press the "°C/°F" button to switch between Celsius and Fahrenheit temperature units for the ambient temperature display.

7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the meter in its provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If the display indicates low battery, replace the batteries promptly (if applicable).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries.	Replace batteries (if applicable) or ensure the device is charged.
Inaccurate moisture readings.	Incorrect material mode selected; poor contact with surface; object too thin or small.	Ensure correct mode is selected. Press the sensor firmly and flat against the surface. Verify object thickness is >20mm and area >40x40mm.
Display is dim or flickering.	Low battery power.	Replace batteries (if applicable).
Alarm sounds frequently.	High moisture content detected.	This indicates high moisture. Investigate the source of moisture in the material.

9. SPECIFICATIONS

Feature	Detail
Model	WM700A
Measurement Range (Cork)	0%~55%
Measurement Range (Hardwood)	0%~35%
Detection Thickness	Approx. 20mm / 0.79in
Working Current	20mA
Item Weight	7.2 ounces
Package Dimensions	5.51 x 3.15 x 1.57 inches
Manufacturer	Baxnore

10. WARRANTY AND SUPPORT

The Baxnore WM700A Pinless Moisture Meter comes with a manufacturer warranty for 90 days from the date of

purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond what is provided in this manual, or warranty inquiries, please contact Baxnore customer service through the retailer where the product was purchased or visit the official Baxnore website for contact information.

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