

Beetech B-M2

BEETECH B-M2 Moisture Meter User Manual

Model: B-M2

INTRODUCTION

The BEETECH B-M2 Moisture Meter is a professional instrument designed for accurately checking moisture content in various materials. It is suitable for wood, timber, paper, cardboard, and hardened building materials such as plaster, concrete, and mortar. This device operates on the principle of electrical impedance and utilizes advanced single-chip micro-computer technology to provide precise measurements by integrating characteristics of different materials for accurate calculation. It offers a non-destructive measuring method, ensuring the integrity of the measured object. The B-M2 features both an analog bar display and a digital display for clear readings, and its electrode pins are replaceable. This manual provides essential information for the proper setup, operation, and maintenance of your BEETECH B-M2 Moisture Meter.

WHAT'S IN THE BOX

Upon unpacking your BEETECH B-M2 Moisture Meter, please ensure all the following components are present:

- BEETECH B-M2 Moisture Meter
- Protective Pouch
- User Manual (this document)
- Battery (9V)



Image: Contents of the BEETECH B-M2 Moisture Meter package, including the meter, manual, and battery.

PRODUCT FEATURES

- **Replaceable Electrodes:** The meter features replaceable electrode pins (10mm length). Note: Electrodes are not included and must be purchased separately when replacement is needed.
- **Dual Display:** Simultaneous analog bar display and digital display for clear and comprehensive readings.
- **Material Selection:** Selectable measurement modes for Wood and other building materials.
- **Advanced Functions:** Includes Maximum (MAX) and Minimum (MIN) reading retention, Auto Power Off, and an LCD display with backlight for visibility in various lighting conditions.
- **Temperature Measurement:** Simultaneous measurement of moisture and ambient temperature.

SETUP

Battery Installation

1. Locate the battery compartment cover on the back of the BEETECH B-M2 Moisture Meter.
2. Slide the battery compartment cover downwards to open it.



Image: Hands opening the battery compartment cover on the back of the meter.

3. Connect the included 9V battery to the battery connector inside the compartment, ensuring correct polarity.



Image: Hands connecting and inserting a 9V battery into the meter's battery compartment.

4. Carefully place the battery into the compartment and slide the cover back into place until it clicks securely.

OPERATING INSTRUCTIONS

Device Overview



Image: Front view of the BEETECH B-M2 Moisture Meter, showing the LCD screen displaying moisture percentage and temperature, along with power, backlight, mode, and MAX/MIN buttons.

Powering On/Off

- Press the **Power button** (U-shaped arrow icon) to turn the meter on.
- The meter will automatically power off after a period of inactivity to conserve battery life.

Selecting Material Mode

- Press the **MODE button** to cycle through the available material types: Wood and Building Materials.
- The selected mode will be indicated on the LCD display. Ensure the correct mode is chosen for accurate measurements.

Taking a Measurement

1. After selecting the appropriate material mode, firmly press the electrode pins into the material you wish to measure. Ensure good contact.
2. The moisture content will be displayed digitally as a percentage (%) and also indicated on the analog bar graph.

3. The ambient temperature will also be displayed simultaneously.



Image: A hand holding the BEETECH B-M2 Moisture Meter, showing a moisture reading of 15.4% on the LCD display.

Using MAX/MIN Function

- Press the **MAX/MIN button** to view the maximum or minimum moisture reading recorded during a measurement session.
- Press again to cycle between MAX, MIN, and current reading.

Backlight Control

- Press the **Backlight button** (light bulb icon) to turn the LCD backlight on or off, improving visibility in low-light conditions.

MAINTENANCE

Electrode Replacement

The electrode pins are replaceable. If the pins become dull, bent, or damaged, they should be replaced to ensure accurate readings. Replacement electrodes (10mm length) are not included with the meter and must be purchased separately from authorized BEETECH dealers.

Cleaning and Storage

- Wipe the meter with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents.
- Store the meter in its protective pouch in a cool, dry place away from direct sunlight and extreme temperatures.
- If the meter will not be used for an extended period, remove the battery to prevent leakage.

TROUBLESHOOTING

If you encounter issues with your BEETECH B-M2 Moisture Meter, please refer to the following common troubleshooting steps:

- **No Display/Meter Not Turning On:**
 - Check if the battery is correctly installed with proper polarity.
 - Replace the 9V battery with a new one.
- **Inaccurate Readings:**
 - Ensure the electrode pins are making firm and complete contact with the material.
 - Verify that the correct material mode (Wood or Building Materials) is selected.
 - Check if the electrode pins are damaged or dull; replace if necessary.
 - Ensure the material surface is clean and free from contaminants.
- **Display is Dim:**
 - Press the backlight button to activate the backlight.
 - Replace the battery if the display remains dim even with the backlight on.

If the problem persists after attempting these steps, please contact BEETECH customer support for further assistance.

SPECIFICATIONS

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|---------------------------|--|
| Model | B-M2 |
| Measurement Principle | Electrical Impedance |
| Measurement Range | Not specified in provided data (typically varies by material type) |
| Display | LCD with Backlight, Analog Bar, Digital Display |
| Material Modes | Wood, Building Materials (Plaster, Concrete, Mortar, etc.) |
| Electrode Length | 10mm (Replaceable) |
| Power Supply | 9V Battery |
| Auto Power Off | Yes |
| Simultaneous Measurements | Moisture and Temperature |
| Dimensions (Package) | 20.5 x 10.5 x 10.5 cm |
| Item Weight | 435 g |

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|-------------------|---------|
| Manufacturer | BEETECH |
| Country of Origin | China |

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your BEETECH B-M2 Moisture Meter, please refer to the warranty card included with your product or contact BEETECH customer service directly. Contact details can typically be found on the manufacturer's official website or on the product packaging.

