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Wetekom K459

Wetekom Wood Moisture Meter K459 Instruction Manual

Model: K459

1. INTRODUCTION

Thank you for choosing the Wetekom Wood Moisture Meter K459. This compact digital device is designed to accurately measure the moisture content in wood. Understanding the moisture level in wood is crucial for various applications, including woodworking, construction, and firewood preparation. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your moisture meter.

2. SAFETY INFORMATION

Please read all safety instructions before using the device. Failure to follow these instructions may result in injury or damage to the device.

- Keep the device out of reach of children.
- The measurement pins are sharp. Handle with care to avoid injury.
- Do not attempt to measure live electrical circuits. This device is for wood moisture measurement only.
- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Dispose of used batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Wetekom Wood Moisture Meter K459
- Protective cap for measurement pins
- 1.5V LR44 batteries (pre-installed or included separately)
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Wetekom Wood Moisture Meter.



Figure 1: Wetekom Wood Moisture Meter K459 in operation. The image shows the compact device with its blue protective cap removed, revealing the two sharp measurement pins. The digital LCD screen displays a percentage reading, and a blue "ON/SET" button is visible. A hand is holding the device, pressing the pins into a piece of wood.

- **Measurement Pins:** Two sharp pins located at the top of the device, used to penetrate the wood surface.
- **Protective Cap:** Covers the measurement pins when not in use.
- **LCD Display:** Digital screen showing moisture content percentage.
- **ON/SET Button:** Powers the device on and off, and may be used for setting (if applicable, though this model is simple).
- **Battery Compartment:** Located on the back or side (not explicitly shown but standard).

5. SETUP

5.1. Battery Installation

Your Wetekom Wood Moisture Meter K459 comes with 1.5V LR44 batteries included. They may be pre-installed or require installation.

1. Locate the battery compartment cover (usually on the back or side of the device).
2. Open the battery compartment. You may need a small screwdriver for some models.
3. Insert the 1.5V LR44 batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

6. OPERATING INSTRUCTIONS

6.1. Taking a Measurement

Follow these steps to measure the moisture content of wood:

1. Remove the protective cap from the measurement pins.

2. Press the "ON/SET" button to turn on the device. The LCD display will illuminate.
3. Firmly press the measurement pins into the wood surface to the desired depth. Ensure both pins are fully inserted into the wood.
4. Read the moisture content percentage directly from the LCD display.
5. After taking the measurement, carefully withdraw the pins from the wood.
6. Press the "ON/SET" button again to turn off the device, or it may automatically shut off after a period of inactivity to conserve battery.
7. Replace the protective cap over the measurement pins for storage.

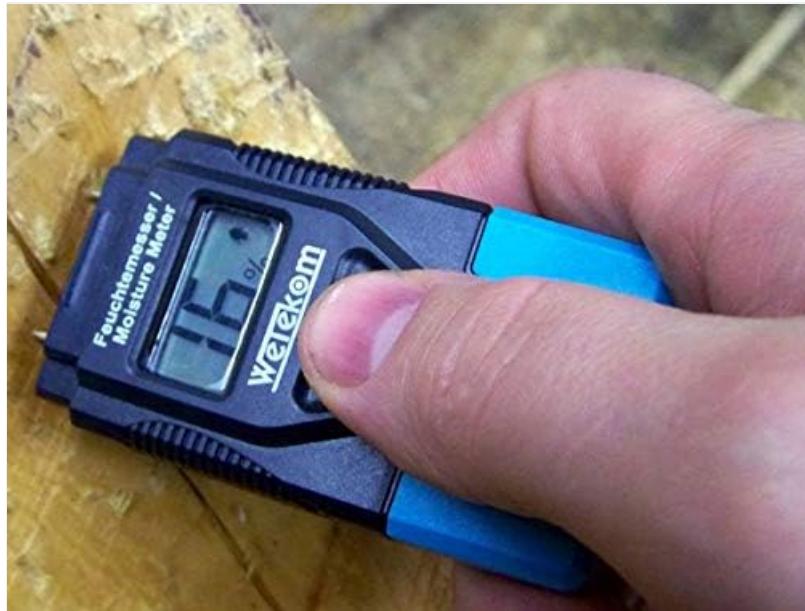


Figure 2: The digital LCD display showing a moisture reading of "1.6%". The device is held by a hand, with the measurement pins inserted into a wooden surface.

6.2. Interpreting Results

The displayed percentage indicates the moisture content of the wood. Ideal moisture levels vary depending on the wood type and its intended use.

- **Dry Wood (e.g., for indoor furniture):** Typically 6% - 8%
- **General Construction Wood:** Typically 9% - 14%
- **Firewood:** Below 20% is generally recommended for efficient burning.

Consult specific guidelines for your project to determine the appropriate moisture content.

7. MAINTENANCE

7.1. Cleaning

- Wipe the device with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Ensure the measurement pins are clean and free of debris after each use.

7.2. Storage

- Always replace the protective cap over the measurement pins before storing.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace batteries with new 1.5V LR44 batteries.
Inaccurate readings.	Pins not fully inserted; pins dirty or damaged; measuring wrong material.	Ensure pins are fully inserted. Clean pins. Replace pins if damaged (if replaceable). Ensure you are measuring wood.
Display shows "LO" or similar.	Moisture content is below the measurable range.	This indicates very dry wood. The device is functioning correctly.
Display shows "HI" or similar.	Moisture content is above the measurable range.	This indicates very wet wood. The device is functioning correctly.

9. SPECIFICATIONS

- Model:** K459
- Measurement Range:** 6% - 40%
- Resolution:** 0.1%
- Dimensions (L x W x H):** Approximately 8.99 x 5.99 x 3.99 cm (3.54 x 2.36 x 1.57 inches)
- Weight:** Approximately 80 grams (2.82 ounces)
- Power Supply:** 1.5V LR44 batteries (or equivalent)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the purchase documentation or contact the retailer/manufacturer directly. Keep your proof of purchase for any warranty claims.

Related Documents - K459

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