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RDINSCOS MT69

RDINSCOS 2-in-1 Moisture Meter User Manual

Model: MT69
Brand: RDINSCOS

1. INTRODUCTION

The RDINSCOS MT69 2-in-1 Moisture Meter is designed for accurate measurement of moisture content in wood, walls, concrete, and other building materials. This device features both a non-destructive spherical probe for surface scanning and pin probes for precise percentage measurements. It is equipped with a large LCD screen, an intelligent alarm system, and a durable, rechargeable design for reliable performance in various applications.

2 en 1 Détecteur d'humidité

Détection par embout de bille & type broche



Image 1: The RDINSCOS 2-in-1 Moisture Meter demonstrating its dual measurement capabilities with both the spherical probe and the external pin probe.

2. KEY FEATURES

- **Dual Measurement Modes:**
 - **Spherical Sensor:** For non-destructive surface moisture detection, providing relative values from 0 to 100. Requires calibration.
 - **Pin Probe:** For precise percentage moisture content in wood (5-52%) and building materials (2-30%) using stainless steel pins.
- **High Accuracy:** Measurement precision of $\pm 2.5\%$ for reliable results.
- **Large LCD Display:** A 2.9-inch screen with switchable backlight ensures clear readability in various lighting conditions.
- **Smart Alarm System:** Adjustable alarm thresholds for the spherical sensor mode. Features a three-color LED indicator (green, blue, red) and an audible alarm for quick moisture assessment. Mute function available for quiet environments.

- **User-Friendly Operation:** Automatic calibration upon startup, one-button measurement, and a Hold function to freeze readings.
- **Durable and Rechargeable:** Shock-resistant rubberized casing, a 1200 mAh rechargeable battery, and interchangeable pins for extended lifespan and easy maintenance.
- **Wide Application:** Suitable for measuring moisture in wood, walls, concrete, plaster, and other construction materials. Includes a self-test function.



Humidimètre à Broches et sans Broches	Autres Humidimètres
 Humidimètre à broches et sans broches	 Mode unique seulement - Usage limité
 Grand écran couleur HD	 Écran normal
 Peut se calibrer automatiquement	 Pas d'auto-étalonnage
 Batterie plus grande – Autonomie plus longue	 Petite batterie - se recharge rapidement

Image 2: A visual comparison illustrating the advantages of the RDINSCOS moisture meter, including its dual probe system and advanced features, compared to other standard meters.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x RDINSCOS MT69 Moisture Meter
- 1 x User Manual
- 1 x External Pin Probe (with cable)
- 1 x Pair of Replacement Pins

- 1 x Mini Wrench (for pin replacement)
- 1 x USB Charging Cable

4. SETUP

4.1 Initial Charge

Before first use, fully charge the device using the provided USB charging cable. Connect the USB cable to the meter's USB-C port and to a standard USB power adapter (not included). The battery indicator on the LCD screen will show charging status.

4.2 Power On/Off

Press and hold the power button () to turn the device on or off. The device performs an automatic calibration upon startup.

4.3 Attaching the Pin Probe (Optional)

For pin-based measurements, connect the external pin probe cable to the USB-C port on the bottom of the meter. Ensure a secure connection.

5. OPERATING INSTRUCTIONS

5.1 Spherical Probe Mode (Non-Destructive)

This mode is ideal for quickly scanning large areas and detecting moisture without damaging the surface.

1. Ensure the external pin probe is disconnected.
2. Turn on the device. It will default to spherical probe mode.
3. Place the spherical sensor directly onto the surface you wish to measure.
4. The LCD will display a relative moisture value (0-100). This value indicates the presence and relative level of moisture.
5. **Important:** This mode provides relative values and requires calibration for specific material types to interpret accurately. Refer to the manual for detailed calibration procedures if needed.

Analyse Non Destructive

Lectures relatives instantanées

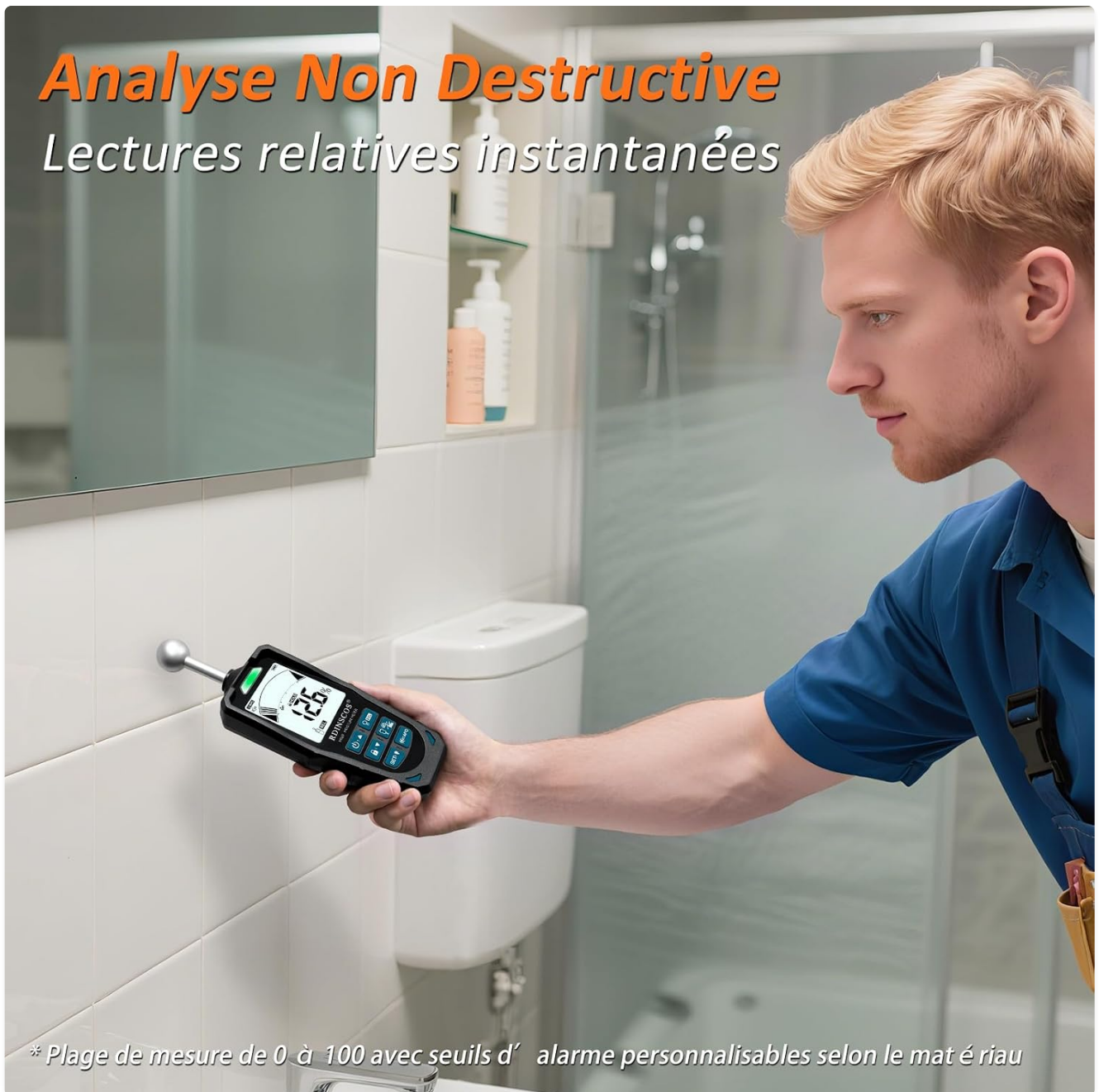


Image 3: Demonstrating the non-destructive analysis capability of the spherical probe on a wall surface.

5.2 Pin Probe Mode (Destructive, Percentage Measurement)

Use this mode for precise percentage moisture content readings in wood and building materials.

1. Connect the external pin probe to the meter's USB-C port. The device will automatically switch to pin probe mode.
2. Select the appropriate material group (e.g., Wood, Building Material) using the "SET" button. Refer to the material group chart in the full manual for specific settings.
3. Carefully insert the pins into the material you wish to measure. Ensure both pins penetrate the surface adequately.
4. The LCD will display the moisture content as a percentage (%).
5. **Measurement Depth:** The pin probe measures moisture content up to a depth of 20-40 mm.

Mesurer la Profondeur et la Portée

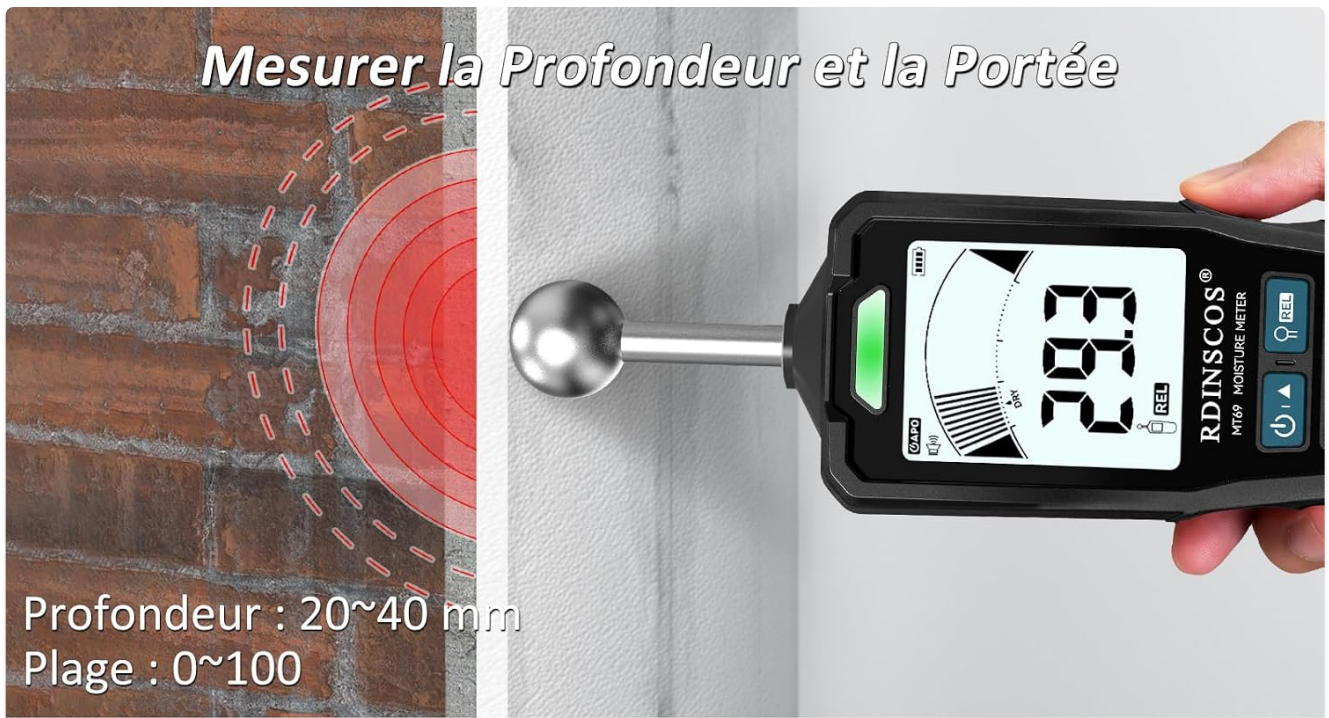


Image 4: Illustration of the measurement depth for the spherical probe and examples of the pin probe measuring moisture in wood and building materials.

5.3 Alarm System

The device features an intelligent alarm system to alert you to high moisture levels.

- **LED Indicator:** A three-color LED (green, blue, red) provides a quick visual indication of moisture levels. Green typically indicates low moisture, blue moderate, and red high.
- **Audible Alarm:** An audible beep will sound when moisture levels exceed a preset threshold (adjustable in spherical probe mode).
- **Mute Function:** Press the "MUTE" button to silence the audible alarm for use in quiet environments.

Alerte Visuelle et Sonore



Image 5: The moisture meter in use, highlighting its visual and audible alarm features for detecting moisture in walls.

5.4 Hold Function

Press the "HOLD" button to freeze the current reading on the display. This is useful when measuring in hard-to-reach areas where the display cannot be easily viewed during measurement. Press "HOLD" again to release the reading.

5.5 Important Considerations

- **Avoid Metal:** When using the spherical probe, ensure there is no metal within approximately 2 inches (5 cm) of the testing area to prevent inaccurate readings.
- **Self-Test:** The device includes a self-test function to ensure its quality and readiness before use. Consult the full manual for instructions on performing a self-test.

*Assurez-vous qu'il n'y a pas de métal à l'intérieur
2 pouces autour du matériau à tester.*



Image 6: Visual guidance on avoiding metal objects within the measurement range of the spherical probe to ensure accurate readings.

6. MAINTENANCE

6.1 Battery Charging

The device is equipped with a 1200 mAh rechargeable lithium-polymer battery. Recharge the battery when the low battery indicator appears on the LCD screen. Use the provided USB charging cable.

6.2 Pin Replacement

The external pin probe features interchangeable pins. If the pins become dull or damaged, use the mini wrench to carefully remove them and install the provided replacement pins. Ensure the new pins are securely fastened.

6.3 Cleaning and Storage

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **No Power:** Ensure the battery is charged. Connect the device to a USB power source and allow it to charge for at least 30 minutes before attempting to power on again.
- **Inaccurate Readings:**
 - For spherical probe: Ensure no metal objects are near the measurement area. Perform calibration if relative values seem inconsistent.
 - For pin probe: Ensure pins are fully inserted and making good contact with the material. Verify the correct material group is selected. Check if pins are damaged and replace if necessary.
- **Display Issues:** If the display is dim, check the backlight setting. If the display is frozen, try restarting the device.
- **Audible Alarm Not Working:** Check if the mute function is activated.
- **Device Not Responding:** Perform a self-test (refer to the full manual) or try a hard reset by holding the power button for an extended period (e.g., 10-15 seconds).

8. SPECIFICATIONS

Model	MT69
Measurement Modes	Spherical Probe (Non-destructive), Pin Probe
Spherical Probe Range	0-100 (Relative values)
Pin Probe Range (Wood)	5% - 52%
Pin Probe Range (Building Materials)	2% - 30%
Measurement Depth (Spherical Probe)	20-40 mm
Accuracy	±2.5%
Display	2.9-inch LCD with backlight
Battery	1200 mAh Lithium-polymer (rechargeable)
Power Source	Battery powered (USB-C charging)
Dimensions (Package)	23.5 x 14.8 x 3.9 cm
Weight (Package)	500 grams
Manufacturer	SHENZHEN REDDRAGON INSTRUMENTS CO.,LTD

9. WARRANTY AND SUPPORT

RDINSCOS provides direct factory sales with guaranteed quality. For any issues encountered during use, customer support is available 24/7. Please refer to the contact information provided with your purchase or visit the official RDINSCOS website for assistance.

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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

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