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RDINSCOS MT-28

RDINSCOS Pinless Moisture Meter User Manual

Model: MT-28

Brand: RDINSCOS

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your RDINSCOS MT-28 Pinless Moisture Meter. This non-invasive digital detector is designed to quickly and accurately measure moisture levels in various materials such as drywall, wood, tile, and masonry, up to a depth of 19mm, without causing damage to surfaces.



The RDINSCOS MT-28 Pinless Moisture Meter, shown alongside a 9V battery, features a large LCD display and intuitive buttons for easy operation.

2. SAFETY INFORMATION

- Keep the device dry. Do not expose to water or excessive humidity.
- Avoid contact with metal surfaces during testing to ensure accurate readings.
- Do not attempt to disassemble or modify the device.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The RDINSCOS MT-28 Pinless Moisture Meter is equipped with a large LCD display, mode selection buttons, a hold function, and an integrated flashlight. Its non-invasive sensor allows for quick and damage-free moisture detection.

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The package includes the MT-28 moisture meter, a 9V battery, a product brochure, and a storage bag for convenient carrying and protection.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the back of the meter.
2. Open the battery compartment cover.
3. Insert the included 9V battery, ensuring correct polarity.
4. Close the battery compartment cover securely.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the power button (green button) to turn the meter on. Press and hold the power button to turn it off.

5.2 Mode Selection

The MT-28 offers multiple modes for different materials. Press the "MODE" button to cycle through the available options:

- **Wall Mode:** For drywall and similar wall materials.
- **Masonry Mode:** For brick, concrete, and other masonry surfaces.
- **Soft Wood Mode:** For softer wood types.
- **Hard Wood Mode:** For denser wood types.

Selecting the correct mode ensures accurate readings for the material being tested.

This video demonstrates the practical application of the MT-28 moisture meter, showing how it measures moisture in drywall (Wall Mode) and wood (Wood Mode) by contrasting dry and wet surfaces. It highlights the ease of use and instant display of results without calibration.

5.3 Taking Measurements

1. Select the appropriate material mode using the "MODE" button.
2. Place the back of the meter flat against the surface you wish to measure. Ensure your fingers are on the rubber grips and not on the sensor area to avoid inaccurate readings.
3. The moisture percentage will be displayed on the LCD screen.
4. Press the "HOLD" button to freeze the current reading on the display. Press it again to release.
5. Use the integrated flashlight (button with flashlight icon) for measurements in dimly lit areas.

Important Note: For optimal accuracy, avoid placing the meter directly over metal objects or pipes within the wall, as this can interfere with the readings.



This image illustrates the non-invasive measuring capability of the MT-28, showing it can detect moisture up to 19mm (0.75 inches) deep within a wall without physical penetration.

Scan Area to Compare Relative Moisture Content



The image shows the MT-28 meter being used to scan an area on a wall, displaying a relative moisture content reading. This allows for comparison across different areas to identify moisture variations.



This diagram demonstrates the correct way to hold the MT-28 meter, ensuring fingers are placed on the designated rubber grips to prevent interference with the sensor and maintain measurement accuracy.



This diagram illustrates incorrect hand placement on the MT-28 meter, where fingers are on the sensor area, which can lead to

inaccurate readings and should be avoided.

5.4 Interpreting Readings

The meter provides a percentage reading and visual indicators (DRY, MID, WET) to help interpret moisture levels.



This table provides a guide for interpreting moisture readings: DRY (low moisture), MID (moderate moisture), and WET (high moisture), with specific percentage ranges for Wall, Masonry, Soft Wood, and Hard Wood materials. The meter also provides audible and visual alarms when moisture exceeds certain thresholds.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the meter in its provided storage bag in a cool, dry place.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display to ensure continued accurate operation.

7. TROUBLESHOOTING

If you encounter issues with your MT-28 moisture meter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inaccurate Readings	Contact with metal objects	Avoid testing over metal pipes or studs.
Inaccurate Readings	Uneven surface	Ensure the meter is placed flat and flush against the surface.
No Display/Power	Dead batteries	Replace the 9V battery.
Readings are "Relative"	Pinless meters provide relative values	Understand that readings are comparative, not absolute moisture content. Different materials and densities affect values.

For further assistance, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	SHENZHEN REDDRAGON INSTRUMENTS CO.,LTD
Part Number	MT18
Item Weight	8.4 ounces
Package Dimensions	6.61 x 3.27 x 1.65 inches
Item Model Number	MT-28
Batteries	2 AAA batteries required (included)
Color	Red-green
Power Source	Battery Powered
Included Components	1*Wood Moisture Meter; battery
Battery Cell Type	Alkaline
ASIN	B0FCLCZFG
Date First Available	May 25, 2020

9. WARRANTY AND SUPPORT

RDINSCOS is committed to providing reliable tools. For any product inquiries, technical support, or warranty claims, please contact our customer service team.

Visit the official RDINSCOS Store for more information and support: [RDINSCOS Store](#)



Our dedicated customer support team is available to assist you with any questions or concerns regarding your RDINSCOS product.

