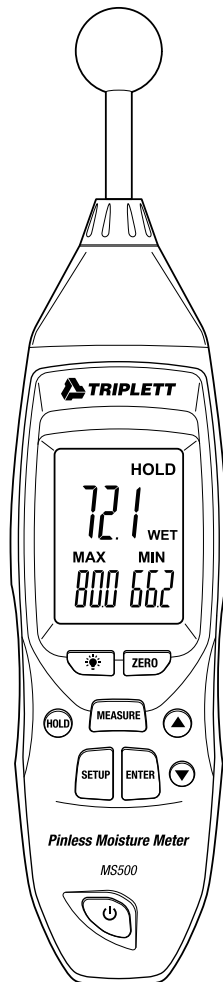


MS500

Pinless Moisture Meter



Introduction

Welcome, and congratulations on your purchase of the Triplet MS500. The MS500 Pinless Moisture Meter is a high-precision electronic moisture indicator that uses advanced high-frequency technology to quickly and non-destructively detect moisture in a wide variety of building materials. Ideal for assessing moisture distribution in walls, ceilings, floors, it provides fast and reliable reading without damaging the surface. This versatile tool is especially useful for evaluating the readiness of construction materials before applying coverings or performing CM (carbide method) measurements, helping ensure quality results and efficient project timelines.

What's in the box:

- MS500 Pinless Moisture Meter
- (1) 9V Alkaline Battery
- MS500 User Manual

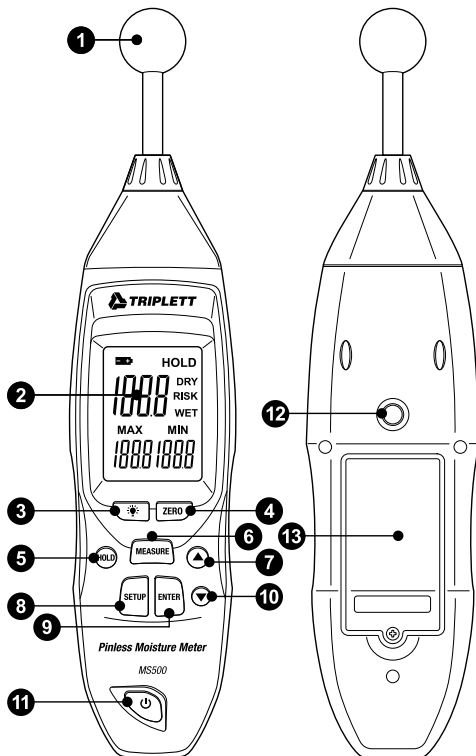
Stay updated:

For the most recent version of the user manual, always visit the official Triplet website www.triplett.com and search for **MS500**.

Description

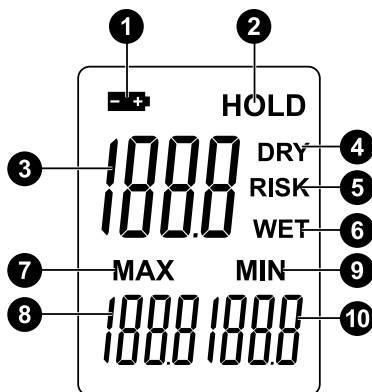
Meter Description

1. Moisture Sensor
2. LCD Display
3. Backlight Button
4. Zero Button
5. Data Hold Button
6. Measure Button
7. Up Button
8. Setup Button
9. Enter Button
10. Down Button
11. Power Button
12. Tripod Mount
13. Battery Cover



LCD Display Description

1. Low Battery Indication
2. Data Hold Symbol
3. Current Moisture Value
4. DRY Status Symbol
5. RISK Status Symbol
6. WET Status Symbol
7. MAX Symbol
8. MAX Moisture Value
9. MIN Symbol
10. MIN Moisture Value



Operation

Getting Started

- Turn the meter ON by pressing the **Power** Button, press the **MEAS** Button to start measuring.
- Press the **MEAS** Button for the first time when the meter is turned on. Hold the meter up so that the ball sensor is in the air, not covered by your hand or any surface or object for 8 to 10 cm (3.15 to 3.94") distance.
- Press the **ZERO** Button and the LCD will display "**CAL**" to indicate calibration, followed by the moisture value. Ensure the value is below **0.5**. If it is not, turn the meter off and on again, then repeat the calibration process. Once calibration is successful, the meter is ready to measure the object.
- Press the **HOLD** Button again, the moisture measurement will be displayed for 50 sec, the **HOLD** symbol will display, after 50 sec, the meter will auto turn off.
- In the measurement state, press the **ZERO** Button to clear the current value.

Notes:

- Perform a calibration each time the meter is powered on for the first time, and again whenever the meter is moved to a different location.
- When taking measurements near a corner, keep the sensor ball head at least 8 to 10 cm (3.15 to 3.94") away from the corner surfaces.
- Ensure the sensor ball head is held perpendicular to the material surface during measurement. It should be pressed firmly and evenly against the surface, not tilted.
- For materials with a thickness of less than 20 mm (0.79"), the displayed moisture readings may be inaccurate due to insufficient material depth
- If "" appears in the display, the battery should be replaced.

Alarm Set Mode

When the meter is in Data Hold Mode, press the **SETUP** Button to enter the alarm set mode. The "**RISK**" icon will appear on the LCD. You can use the **Up** and **Down** Buttons to adjust the threshold.

- Press the **ENTER** Button to save the alarm setting' Then the **“WET”** icon will appear on the LCD. You can use the **Up** and **Down** Buttons to adjust the threshold.
 - Press the **ENTER** Button to save the alarm setting. The meter will return to Data Hold Mode.
 - If the moisture reading exceeds the **RISK** alarm threshold, the alarm will activate.
 - If the moisture reading exceeds the WET alarm setting, the meter will beep once every 2 seconds. If the measurement goes beyond the WET threshold, it will beep four times per 1sec.
- Note:** The **RISK** value can be adjusted from 0 to 50, the default value is 30. The **WET** value can be adjusted from 50 to 100, the default value is 60.

Backlight

- Press the Backlight Button to switch the backlight ON or OFF when the meter is in the data hold mode.

Moisture Table Comparison

Construction Material	Display	Moisture Status
Gypsum	<30	DRY
	30 to 60	RISK
	>60	WET
Cement	<25	DRY
	25 to 50	RISK
	>50	WET
Wood	<50	DRY
	50 to 80	RISK
	>80	WET

Specifications

Feature	Description
Measurement Range	0.0 to 100.0
Penetration Depth	0.79 to 1.5” (20 to 40mm)
Display Resolution	0.1
Battery	(1) 9V Battery
Dimensions / Weight	10.8 x 2.4 x 1.8” (275 x 60 x 45mm) / .65lb (295g)

Warranty Statement

Triplett Test Equipment offers a two-year warranty to the original purchaser of its products. We guarantee that our products will be free from defects in workmanship and materials for two (2) years from the purchase date.

This warranty does not cover:

- Products purchased from unauthorized distributors.
- Items that have been repaired or altered by unauthorized individuals.
- Damage from misuse, abuse, misapplication, negligence, or accidents.
- Products with altered, defaced, or removed serial numbers.
- Accessories, including batteries.

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