

LCD Moisture Meter

PLEASE READ ALL OF THE INSTRUCTIONS BEFORE USING THE MOISTURE METER.

This instrument can be used to measure the amount of water in the wood, building material, and measure the environment temperature.

FEATURES:

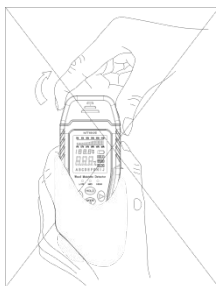
- Display: LCD display with green color backlight.
- Measurement range: Wood: 6 to 60%
Building material: 1.5 to 33%
Temperature: 0 to 50°C (32 to 122°F)
- Resolution: Wood and Building material: 0.1%
Temperature: 0.1°C (0.1°F)
- Accuracy: Wood and Building material: ± 2%
Temperature: ± 2°C (± 4°F)
- 8 calibration scales(A, B, C, D, E, F, G, H), based on different types of wood materials.
- Hold function to freeze the measurement.
- Low battery indication(< 2.2V).
- Automatic Power-Off in 3 minutes without operation.
- Operated Power: 2xLR03 AAA 1.5V batteries.
- Working current: <35mA@3.0V
- Operating Environment: Temperature: 0 - 40°C
Relative Humidity < 85%RH

INSTALLING BATTERY:

1. Remove the battery compartment cover.
2. Insert the batteries with the correct polarity.
3. Reattach the battery compartment cover.

REMOVING PROTECTIVE CAP:

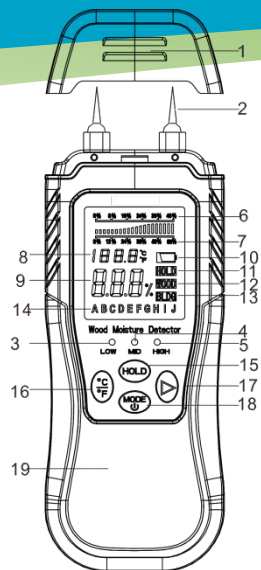
To remove the protective cap, press the “≡” position and push the cap as the illustration below to open the cap.



WRONG





CORRECT




1. Protective cap
2. Pins
3. Low moisture light
4. Mid moisture light
5. High moisture light
6. Moisture value of building material
7. Moisture value of wood
8. Temperature value
9. Moisture value
10. Low battery indication
11. HOLD icon
12. WOOD icon
13. BLDG icon
14. 8 calibration scales(A-H)
15. Hold button
16. °C/°F conversion button
17. Right arrow button (A-H option button)
18. Mode & ON/OFF button
19. Battery case (Back of Unit)

OPERATION INSTRUCTION:


1. Press the “” button to turn on the instrument, press and hold the “” button for about 3 seconds to turn off the instrument.

2. Selecting desired Measurement Mode:

- a. After turn on the instrument, press the “” button to select desired measurement mode.


The two measurement modes are as follows:
Wood moisture measurement mode (“WOOD” displays),
building material moisture measurement mode (“BLDG” displays).

Wood moisture measurement mode has 8 calibration scales(A, B, C, D, E, F, G, H), based on different types of wood materials.

Check the Calibration Tables first, and then press the “” button to switch to the matched calibration scale.

- b. After the desired measurement mode is selected, you can start measurement.

c. Temperature measurement mode displays in Celsius temperature measurement mode (“°C” displays) or Fahrenheit temperature measurement mode (“°F” displays).

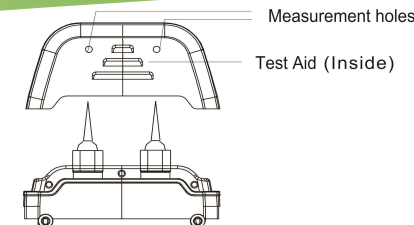
Press “” button to switch between °C and °F.

3. Performing Measurement

- a. For temperature measurement, the display shows the present environment temperature directly.
- b. Before taking the first measurement check that the instrument is functioning correctly.

For this you will need to use the Test Aid.

On the Test Aid there are two measurement holes as picture.



Switch to Wood moisture measurement mode (“WOOD” displays) and choose A scale.

Insert the measuring pins into the measurement holes, the measuring value on the display will show between 16.6% to 20.6%.

The instrument is workable when measured value was in the error range.




c. To perform moisture measurement, press both pins into the wood or material to be measured, read the value on the display.
d. Measured value will appear on the LCD, and Red, Yellow, Green LED color light indicate the moisture condition level at the same time.

Wood: Green: Low moisture (< 12%);
Yellow: Mid moisture (12% - 15.9%);
Red: High moisture (16%-60%).

Building material: Green: Low moisture (< 17%);
Yellow: Mid moisture (17% - 19.9%);
Red: High moisture (20%-33%)


4. Freeze the measurement

Press the “” button to saved measured value, the “HOLD”

will show on the screen. By pressing the “” or “” or “” button, the measuring mode will get reactivated.

5. Automatic Power-Off feature

If you don't operate the instrument (or the reading does not change) about 3 minutes, the instrument will be turned off automatically.

6. When the symbol “” appears, it indicates the batteries are low and should be replaced.

MAINTENANCE:

The moisture meter has been designed to be a low maintenance instrument.

However, in order to maintain its performance, you must always follow these simple directions:

- AVOID exposing the instrument to shock, continuous vibration, or extreme hot or cold temperatures.
- ALWAYS attach the protective cap when not in use.
- ALWAYS keep the instrument free of dust and liquids.
- Check the battery regularly to avoid deterioration.
- ALWAYS remove the battery when storing the instrument.
- DO NOT attempt to change any part of the unit.
- DO NOT disassemble the instrument. This will void the warranty.
- Store the instrument in a dry location.
- After measurement, clean the probes and the case using a clean cloth.



THEPROTECTOR LIMITED PRODUCT WARRANTY

Please take the time to read through our Standard Terms and Conditions of the THEPROTECTOR Limited Product Warranty.

How Long Does The Coverage Last?

This warranty applies only the device. The product warranty becomes effective from the date of purchase by the purchaser. Coverage terminates if you sell or otherwise transfer the product. The repair of your product under warranty will not extend the period of the warranty. Each part has its own warranty. Please check the warranty list before you place an order.

How Do You Get Service?

Products are to be returned to THEPROTECTOR Tech Support Center under your express account. Address: 10725 Capital St. Oak Park. MI +1 248-542-1831

What is Covered?

Normal wear and tear. We will repair or replace your product if your product is found, within the warranty period, to be defective due to defective materials or workmanship existing at the time of purchase. If any part is no longer available or out of manufacture, THEPROTECTOR will replace it with a functionally-equivalent replacement part.

What is Not Covered?

THEPROTECTOR shall NOT be liable for costs of repair or replacement of a product incurred as a result of:

1. Accidental damage, faults caused by negligent use or care, neglect, careless operation or handling of the product which is not in accordance with the THEPROTECTOR Instruction Manuals.
2. Use of the parts not assembled or installed in accordance with the instructions of THEPROTECTOR.
3. Use of parts or accessories other than those produced or recommended by THEPROTECTOR.
4. External sources such as transit damage or weather.
5. Repairs or alterations carried out by parties other than THEPROTECTOR or its authorized agents.
6. Serial numbers defaced or missing.

THEPROTECTOR warrants the mechanical and electronic components of all THEPROTECTOR series to be free of defects in material and workmanship if used under normal operating conditions for a period from the original date of purchase. If the product shows any defects within this period and that defect is not due to user error or improper use THEPROTECTOR shall, at its discretion, either replace or repair the product using suitable new or refurbished parts. In case THEPROTECTOR decides to replace the entire product, this limited warranty shall apply to the replacement product for the remaining initial warranty period.

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