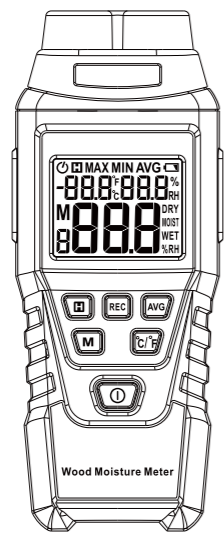


User manual

Wood Moisture Meter



⚠ Before using the instrument, please read this manual carefully, and save it well for future using.

Safety information



Warning: Before using this product, please read this manual carefully and be familiar with the operation of the product. Keep this manual properly so that you can refer to it when necessary.

Precautions to avoid personal injury or instrument damage

- Operate the product correctly within the parameters specified in the technical data sheet according to the purpose of the product.
- Do not store this product with solvents, acids or other corrosive substances.
- Be careful of personal injury caused by

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electrode. Please cover the protective cap when the product is not in use.

- Do not touch the electrode with any charged object to avoid damaging the product.

Product description

This product is a DC resistance type (pin type) material moisture meter, commonly used to measure the moisture content of wood or building materials. The moisture content of the material is displayed directly as a percentage. The instrument has built-in characteristic parameters of 7 different kinds of wood and building materials. This measurement can provide a basis for the need for further drying.

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In addition to measuring the moisture content of the material, the ambient humidity and temperature can also be measured so that the dry environment can be evaluated directly on site

Function features

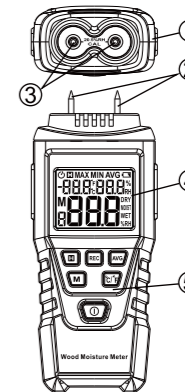
- Built in characteristic parameters of 7 different kinds of wood and building materials
- Single point measurement
- Multi-point average measurement
- Data hold
- Maximum and minimum measurement
- Automatic shutdown (can be cancelled when the user starts up)
- Ambient temperature measurement

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- Environmental humidity measurement
- Low battery indicator

Meter description

- Protective cap (built-in test standard resistance)
- Measurement pins
- Standard resistance test contact
- LCD display
- Function keys



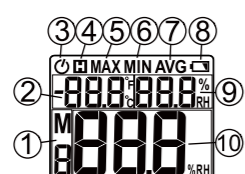
Press key description:

- Power on / off key
- Data hold key

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- Max, min hold key
- Multi point measurement average key
- Temperature unit selection key
- Measure material category selection key

Display Description



- Material type display area
- Ambient temperature display area
- Automatic power off symbol

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- Data hold symbol
- Max hold symbol
- Min hold symbol
- Multi-point average measurement
- Low battery indicator
- Ambient humidity display area
- Material moisture display area

Measurement operation

Attention

In order to ensure the accuracy of the measurement readings, please select as many points of average measurement as possible. Be sure to measure moisture along the grain.

The values shown are closely related to the

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building materials / manufacturers and the surrounding environment. Sometimes even for the same material, there will be great differences between different batches

Meter testing

- Press the key to turn on power and enter the measurement mode.
- Press the key to select the measured material category as 1, and the material category number is displayed in the lower left corner of the display.
- After selecting the material category, remove the protective cap, insert two test pins of the instrument into the test contacts on the protective cap at the same time, and ensure good contact.

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- The meter will display approximately 20.5%RH, indicating that the meter is operating properly.

Single point measurement

- Press the key to turn on power and enter the measurement mode.
- Press the key to select the measured material category, and the material category number is displayed in the lower left corner of the display.
- After selecting the material category, remove the protective cap and insert the two test pins of the instrument into the tested material at the same time.
- Press the key to keep the measurement result, and the symbol

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will be displayed on the display.

- Read the measurement results from the display.
- After the measurement, please cover the protective cap in time.

Multi-point average measurement

- Press the key to turn on power and enter the measurement mode.
- Press the key to select the measured material category, and the material category number is displayed in the lower left corner of the display.
- After selecting the material category, remove the protective cap and insert the two test pins of the instrument into the tested material at the same time.

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- Press the key to turn on the multi-point average measurement function, and automatically record the first measurement value, which will be displayed in the upper right display area of the display screen.
- Change the measuring positions of the two test pins of the instrument, press key again, the instrument will average the measured values with the values measured in the front, and display them in the upper right display area of the display.
- Repeat step 5 until the measurement stops and read the average of all points measured from the upper right display

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area of the display.

- Press and hold for about 2 seconds to exit the multi-point average measurement function.
 - After the measurement, please cover the protective cap in time.
- Note: when the measured value of the measuring point exceeds the measuring range of the instrument, the average operation will not be added to the measured value.

Other operations

Without any operation, the meter will automatically shut down after about 10 minutes to save battery energy. If necessary, you can cancel the automatic shutdown

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function as follows:

Press and hold the key, and then turn on power. The automatic power off will be cancelled, and the symbol will be hidden. so the user needs to turn power off manually.

Maximum and minimum measurement

Press to turn on the function of maximum and minimum values, and then press this key to view the maximum and minimum values in cycles; press and hold for about 2 seconds to exit the function of maximum and minimum values.

Material category selection

Press key to select 1-7 material category number. Please refer to material comparison

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table for material number selection.

Temperature unit selection

Press to change the temperature unit.

Technical

Sensor : Resistance type (conductivity measurement), high precision temperature and humidity sensor

Measurement range / accuracy:

- Material 1: 9.0%~57.0% ±2.0%
- Material 2: 7.0%~52.0% ±2.0%
- Material 3: 0.9%~23.0% ±2.0%
- Material 4: 0.0%~12.0% ±2.0%
- Material 5: 0.7%~9.0% ±2.0%
- Material 6: 0.5%~10.0% ±2.0%
- Material 7: 0.0%~17.0% ±2.0%

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Ambient temperature:
-20.0~60.0°C (-4.0~140°F) ±1.5°C
Ambient humidity:
0.0~99.9% ±4.0%RH

Use environment: 0 ~ 40°C / 20 ~ 90%RH

Power: 3x1.5V AAA Alkaline battery

Maintain

Battery replacement

- Turn off the power
- Use a screwdriver to loosen the screws on the battery cover and open the battery cover.
- Remove the old battery and replace it with a new battery of the same type (3 x 1.5V AAA alkaline battery)

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- Then close the battery cover and lock the battery cover with screws.

Note: pay attention to the polarity of the battery when replacing it

Clean

Clean the meter surface with a mild detergent and a slightly wet cloth

Material comparison table

Material 1	Beech, spruce, larch, birch, cherry, walnut: 8.8~54.8 %
Material 2	Oak, pine, maple, ash, Douglas fir, Eucalyptus: 6.8~47.9%
Material 3	Cement mortar layer, concrete: 0.9~22.1 %
Material 4	Anhydrous gypsum mortar layer:

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	0.0~11.0 %
Material 5	Cement mortar: 0.7~8.6 %
Material 6	Lime mortar, gypsum: 0.6~9.9 %
Material 7	Brick: 0.0~16.5 %

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75x105mm