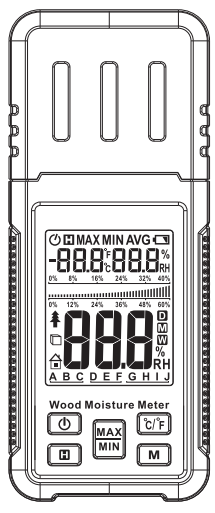


Wood Moisture Meter



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.

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

electrodes. 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.

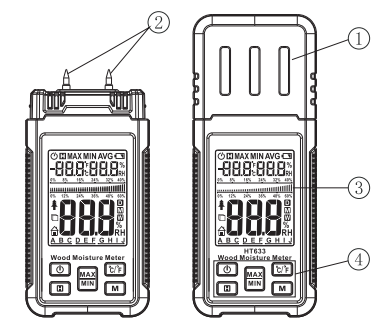
In addition to measuring the moisture content of the material, the ambient humidity and temperature can also be measured so that the dry environment can be evaluated directly on site

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 canceled when the user starts up)

- Ambient temperature measurement. Environmental humidity measurement. Low battery indicator.

Meter description



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- Protective cap. Measurement pins. LCD display. Function keys.

Press key description:

- Power on/off key. Data hold key. Temperature unit selection key. Measure material category selection key. Max/Min data key.

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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 building materials/manufacturers and the surrounding environment.

Meter testing

- Press the power key to turn on the power and enter the measurement mode. Press the material key to select the measured

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material category as A, and the material category letter 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. Press the hold key to hold the measurement result and the symbol "H" is displayed on the LCD screen. Read the measurement result from the display. When the measurement is finished, please put the protective cap on in time.

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Other operations

Auto shut down

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 function as follows:

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

Maximum and minimum measurement

Press the max/min key to turn on the function of maximum and minimum values, and then press this key to

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view the maximum and minimum values in cycles; press the max/min key and hold for about 2 seconds to exit the function of maximum and minimum values.

Red, Orange and Green tricolor Backlight

Automatically match the appropriate color backlight according to the moisture content

- Red backlight: High moisture content, showing the letter W. Orange backlight: Moderate moisture content, showing the letter M. Green backlight: Low moisture content, showing the letter D

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Moisture content range for three color backlight

Table with 3 columns: Backlight color, Moisture content range, Material type. Rows include Red, Orange, Green for categories A, B, and C.

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Table with 4 columns: Backlight color, Moisture content range, Material type, and another column. Rows include Red, Orange, Green for categories D, E, F, and G.

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Material category selection

Press the material key to select A-G material category number. Please refer to the material comparison table for material number selection.

Temperature unit selection

Press the temperature key to change the temperature unit.

Technical

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

Measurement Range/Accuracy:

- Material A: 9.0%~57.0% ±2.0%. Material B: 7.0%~52.0% ±2.0%. Material C: 0.9%~23.0% ±2.0%

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- Material D: 0.0%~12.0% ±2.0%. Material E: 0.7%~9.0% ±2.0%. Material F: 0.5%~10.0% ±2.0%. Material G: 0.0%~17.0% ±2.0%

Temperature & Humidity specification:

Table with 3 columns: Parameter, Measuring range, Accuracy. Rows for Temperature and Humidity.

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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: -10~50°C / 20~90%RH. Storage environment: -10~60°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

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1.5V AAA alkaline battery)

- 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

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Material comparison table

Table with 2 columns: Material and Material description. Rows A through G.

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Calibration Tables of Wood

Table with 2 columns: Material and Material description. Rows for various wood types like Abies alba, Agathis robusta, etc.

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Table with 2 columns: Material and Material description. Rows for various wood types like Bamboo, Maracaibo, Basswood, etc.

18

Table with 2 columns: Material and Material description. Rows for various wood types like Cedar, Croton, Cedrela odorata, etc.

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Table with 2 columns: Material and Material description. Rows for various wood types like Distemonanthus, Eucalyptus, etc.

20

Table with 2 columns: Material and Material description. Rows for various wood types like Eucalyptus, Greenheart, etc.

21

Table with 2 columns: Material and Material description. Rows for various wood types like Jelutong, Juglans nigra, etc.

22

Table with 2 columns: Material and Material description. Rows for various wood types like Maple, Mesquite, etc.

23

Table with 2 columns: Material and Material description. Rows for various wood types like Pecan, Pinus, etc.

24

Table with 2 columns: Material and Material description. Rows for various wood types like Pterocarpus, Quercus, etc.

25

Table with 2 columns: Material and Material description. Rows for various wood types like Southern Cypress, Sycamore, etc.

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Table with 2 columns: Material and Material description. Rows for various wood types like Turpentine, Xylia, etc.

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