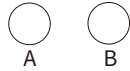


# Moisture Meter User Manual

V1.5.4



## 1. Description

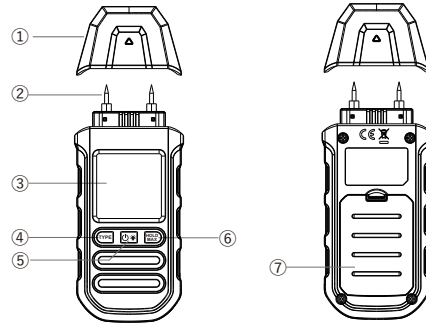
This instrument is suitable for measuring the moisture content (the percentage of the weight of the moisture in the wood to the weight of the wood after the absolute dryness) of wood, bamboo, paper, cardboard, and Chinese herbal medicines.

Before using the instrument, please read this manual carefully.

## 2. Features

- Four tree species are available
- Maximum measurement mode
- Temperature compensation function
- Measured value lock
- Buzzer notification function
- Automatic shutdown function

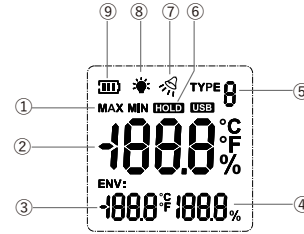
## 3. View



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- ① Probe protection cover
- ② Probe
- ③ LCD screen
- ④ TYPE key
- ⑤  $\odot$  button
- ⑥ HOLD/MAX button
- ⑦ Battery compartment

## 4. LCD



- ① Maximum measurement mode
- ② Measurement reading
- ③ Environmental temperature
- ④ Environmental humidity
- ⑤ Tree species stalls
- ⑥ Measured value lock
- ⑦ Buzzer notification
- ⑧ Backlight
- ⑨ Power indicator

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## 5. Specification

Model	A		B	
Measurement Parameters	Moisture content	Environment temperature	Environment humidity	Moisture content
Measuring Range	2~75%	-10~50°C	0~100%RH(Not condensing)	2~75%
Accuracy	±1.5%	±0.3°C	±3%RH(10~90%RH,25°C) ±4%RH(Other Range)	±1.5%
Resolution	0.1 %	0.1°C	0.1%RH	0.1%
Response Time (t <sub>90</sub> )	1s	8s		1s
Buzzer Notification	Yes			No
Automatic Shut-down	5 minutes			
Operating Temperature	-10~50°C			
Storage Temperature	-20~60°C (Without batteries)			
Power Supply	3 pcs 1.5V AAA alkaline batteries/1.2V AAA rechargeable batteries			
Size of probe	ø2*10mm			
Size of Device	135*57*30mm			
Material	ABS			
Weight	About 93g (without batteries)			

6. Battery Installation





- (1) Insert the battery according to the positive and negative instructions inside the battery compartment.
- (2) After inserting the battery, fasten the battery cover.
- (3) When the instrument is not used for a long time, be sure to remove the battery and place it properly.

7. Usage




7.1 Measurement Steps

**Step 1:** Prepare the wood to be tested.  
**Step 2:** Open the probe protection cover of the instrument and press the button to turn it on.  
**Step 3:** After selecting the correct tree species, insert the probe of the instrument into the wood to be tested along the vertical direction of the horizontal grain of the wood, with the probe insertion depth at least 3mm.  
**Note:** The two probes must be inserted into the wood at the same time during measurement, and the probes should be in full contact with the wood.

7.2 Turn On/Off

**Power on:** Press the “ ” button to power on.  
**Shut down:** In the power-on state, long press the “ ” button to shut down, or if there is no operation for 5 minutes, the instrument will automatically shut down.

7.3 Backlight

In the power-on state, short press the “ ” button to turn on or off the backlight. When the backlight is turned on, the “” icon is displayed on the screen.

7.4 Tree Species Shift

In the power-on state, short press the “TYPE” button to switch. The instrument has four tree species to choose from. Please refer to the ninth point for the gear selection corresponding to the tree species.

7.5 Switching of Environmenta Temperature Units (Only model A is supported)

In the power-on state, long press the “TYPE” button to switch the display unit of ambient temperature °C/°F.


7.6 Measured Value Lock

In the power-on state, short press the “HOLD/MAX” key to trigger the data hold function, the measured value on the screen will be locked and the “**HOLD**” icon will be displayed. Short press the “HOLD/MAX” key again to cancel the value lock.


7.7 Maximum Measurement Mode

In the power-on state, long press the “HOLD/MAX” key to enter the maximum value measurement mode, and the “MAX” icon is displayed on the screen. Note that the instrument will continue to measure at this time, and the maximum value will change according to the real-time measurement result. Long press the “HOLD/MAX” key again to exit the maximum value measurement mode.

7.8 Buzzer Notification (Only model A is supported)

In the power-on state, press the HOLD button and TYPE button at the same time to enable or disable the buzzer function. When the buzzer notification function is turned on, the “” icon is displayed on the screen.

8. Notes

- (1) When the battery symbol  is displayed on the screen, it means that the battery is low. Please replace the the battery in time, otherwise it will affect the normal use of the instrument.
- (2) Please place it out of the reach of children, beware of children playing.
- (3) The instrument is equipped with a sharp probe, please pay attention to safety when using it to prevent injury.
- (4) When storing the instrument, pay attention to dust and moisture, and keep the instrument dry and clean to ensure the accuracy of the measurement data.
- (5) When the temperature of the instrument body differs greatly from the measured object or the ambient temperature, please place the instrument at the same ambient temperature as the measured object before use, wait for the temperature to equalize, and then start measuring.

9. Tree Species Comparison Table

Species	Gear(TYPE)	Species	Gear(TYPE)
Rhodesian Teak	1	Balsa wood	3
White red bean tree	1	Sandalwood	3
Brazilian walnut tree	1	Elm	3
Walnut	2	Koombar	3
Clone	2	Tsuga	3
Poplar	2	Dipterocarp	3
Teak	2	Oak	3
Chinese fir	3	Mason pine	4
Douglas fir	3	Chilean Pine	4
Lauan	3	White Pine	4
Fraxinus mandshurica	3	Larch	4
White fir	3	Apitong	4
Maple	3	Birch	4
Ash wood	3	Linden	4

The different gears of the instrument and the measuring range are as follows:  
TYPE1: 2%~40%  
TYPE3: 2%~60%  
TYPE2: 2%~50%  
TYPE4: 2%~75%