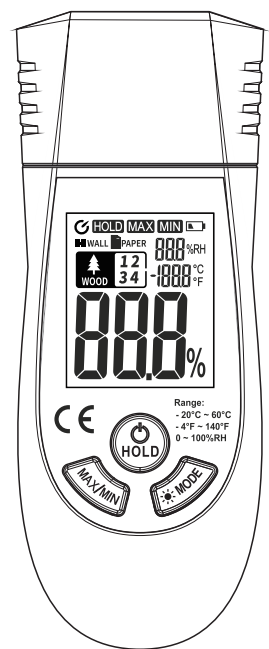


USERS MANUAL

Wood Moisture Meter



Profile,Package and accessories,Safety Instructions

1. Profile

This is a resistance wood moisture meter featured in stable, reliable, and safe performance. It is designed and produced according to GB/T1931-2009 Method for Determination of the moisture content of wood and JJG 986-2004 Verification Regulations for wood moisture content measuring meters. High-performance micro-controller is applied as the core of measurement control to achieve rapid measuring response, high precision, and low power consumption; 4 choices of tree species and ambient temperature compensating function are available to improve the measuring precision; portable size and large ratio LCD screen make the product not only convenient to carry, but also display digits clearly. It is applicable for rapid moisture content measuring of wood fiber products like wood raw materials, paper, and plywood, etc.

This manual contains operating instructions and safety warnings. Please read it through carefully before use and follow all safety warnings and precautions.

2. Package and accessories

- Device ----- 1
- 1.5V AAA Battery ----- 2
- User Manual ----- 1
- Backup Test Probe ----- 2
- Open End Wrench ----- 1
- Calibration Sheet ----- 1

3. Safety Instructions

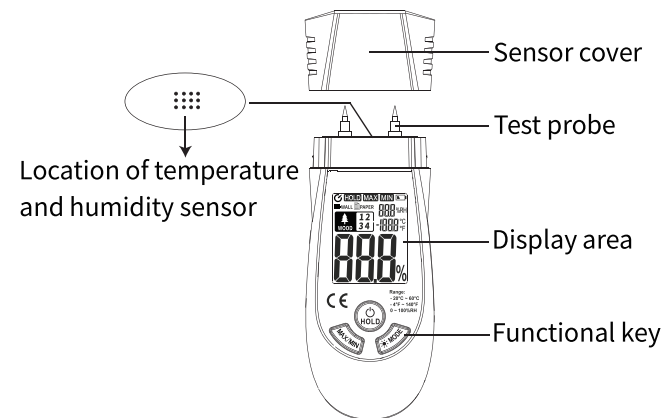
Warning: The test probe of this meter is sharp and may cause body injury and device damage. Please put on the protective cover when you finish using, and keep it properly in places untouchable to children.

Meter Instructions

1. Please check the instrument and accessories carefully before use. Stop using this meter if you find any obviously damage on the meter case or accessories, or any abnormality on the display.
2. Please follow the operating instructions in this manual while measuring.
3. Do not open the meter or change the internal wiring randomly for it may cause damage to the meter.
4. Please change the battery when the under-voltage icon " " on the meter display lights on.
5. Do not expose the test probe to any charged objects for it may cause damage to the meter.
6. Instruments should not be used or stored in high temperature, high humidity, flammable and explosive environments, or strong electromagnetic environments.

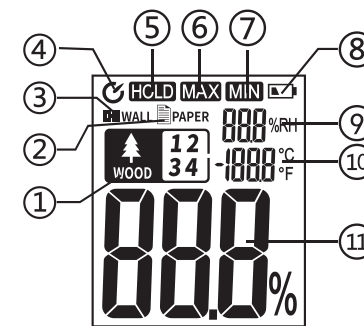
4. Meter Instructions

4.1 Appearance structure



Function button description

4.2 Display Symbols Description



- ① Tree species measurement ② Paper measurement
- ③ Building walls measurement ④ Auto-off icon ⑤ Data hold
- ⑥ Max. value measure ⑦ Min. value measure
- ⑧ Under-voltage icon ⑨ Humidity reading ⑩ Temperature reading
- ⑪ Celsius or Fahrenheit ⑪ Moisture content value

5. Function button description

1. : On/off and Hold key
On/ off: press the key shortly to turn on, and press and hold for 1 second to turn off.
HOLD: during the measuring process, press this key shortly to hold the data, and the HOLD icon displays, then press it shortly again, the device will exit data holding status and resume normal measuring.
2. : Mode selection
Press it shortly to switch MAX/MIN and normal measuring mode, when the Max. or Min. value measuring mode is selected, the meter will always show the maximum value or minimum value. Press this key and hold for a while to switch temperature unit between °C/°F.

Measurement Operation

3. : Tree species selection / Backlight
Short press to switch between different tree species. Turn on will maintain the mode of last time turn off. Long press to turn on or off the backlight.

6. Measurement Operation

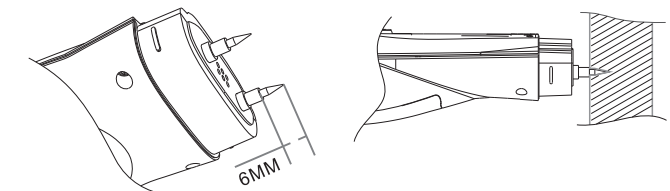
1. Press the power button shortly to turn it on.
2. Select the tree type according to the tree species comparison table. If no corresponding tree type available in the comparison table, please select tree type 3 to carry out approximate value measurement.

Note : Generally, the value measured along the transverse direction of the wood grain is smaller than that of longitudinal direction, and the value measured along the transverse direction shall prevail.

3. Take off the cover of the test probe sensor and insert it vertically into the wood sample till the 6mm depth limit of the probe (See Figure).

4. Wait till the value stays stable, then the value shown on the screen is the moisture content of the wood sample.

5. During the measuring process, the MAX and MIN value measuring and value hold function can be enabled or disabled according to the icon instructions.



Y01-04-0223



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

1

2

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折页后尺寸 96*145 mm 展开尺寸 480*145 mm

黑线不要印 双面印

7. Auto-off

When the device is powered on, auto-off function is defaulted enabled: the device will be off if no key pressed within 5 minutes.

Temporary cancel of auto-off function: press and hold the key "🔑", press the power-on key to turn on the device till the display shows " APO OFF ", then the auto-off function of the device will be canceled and the APO icon"🌀"will be switched off.

8. Calibration Mode

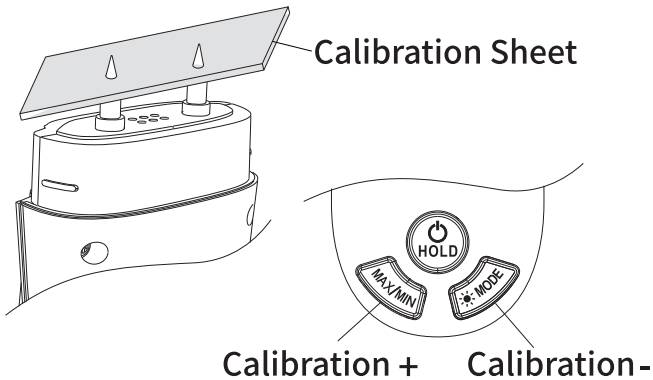
Enter calibration mode:Hold down the MAX/MIN and MODE buttons in the shutdown state and long press the power button for 1 second. After the character "CAL" is displayed on the screen, release the power/HOLD, MAX/MIN, and MODE buttons simultaneously. The product is successfully entering calibration mode.

1. Enter resistance zero calibration mode.In calibration mode, lightly press the power button/HOLD, using the calibration sheet in the product package to connect the two ends of the probe (the screen shows 17% -19%), press the power button/HOLD to save the zero point, and the screen will display three horizontal bars, indicating that calibration is completed. Long press the power button to shut down, and the resistance calibration is completed.

2. Enter temperature and humidity calibration mode. In calibration mode, lightly press the MODE button, and the screen will display CAL. At this time, the temperature calibration option will be entered by default. Press the MODE key again to switch to the humidity calibration option. After selecting the option that needs calibration, press the power/HOLD button to confirm. At this time, press the MAX/MIN key to add (+) and the MODE key to minus(-), manually adjust the environmental temperature and humidity

compensation. After the adjustment is completed, press the power/HOLD button to save. The screen will display three horizontal bars indicating that the calibration is completed. Long press the power button to shut down, calibration is completed.

Note: This product will be calibrated for temperature and humidity compensation when leaving the factory. In the absence of an accurate calibration source, please do not perform calibration operations easily to avoid affecting product accuracy. Our company suggests conducting a resistance zero calibration after replacing the probe to ensure that the accuracy is not affected.



9. Technical indicators

9.1 Functional Indicators

Function	Range	Resolution	Error	Instructions
Moisture Content	0~75.0%	0.1%	±2%	Tree species 1: 0~30.0% Tree species 2: 0~35.0% Tree species 3: 0~40.0% Tree species 4: 0~45.0% Paper: 0~75.0% Wall : 0~30.0%
Temperature	-20°C ~100°C	0.1°C	±1.0°C	Temperature
Humidity	0~100%RH	0.1%RH	±5%RH	Relative Humidity
Characteristics		Instructions		
Display		Maximum value "99.9%"		
Data hold		Hold LCD value		
Backlight		Three-color, manually turn on or off		
Auto-off		Default enabled, can be disabled manually,execute auto-off if no action happens within 5 minutes.		
Low-battery		If battery voltage becomes lower than 2.4V,under-voltage LCD icon lights on, and the battery needs to be changed.		

9.2 Environmental conditions

- Altitude: below 2000 meters.
- Pollution level: Level II.
- Working temperature: -10°C ~ 60°C.
- Working humidity: ≤80%RH.
- Storage temperature: -20°C ~ 80°C.
- Storage humidity: ≤75% RH.

9.3 Electrical specifications

Appearance dimension: 136mm×54mm×28mm.

Weigh: about 130g (No battery).

10. Meter maintenance

Please use a piece of soft cloth and neutral cleanser to clean the meter case. Do not use any abrasive or solvent to prevent the case corrosion or meter damage.

Change battery: 2×1.5V AAA

11. Tree species comparison table

Tree species	Type	Tree species	Type
Rhodesian teak	1	Balsa	3
Afrormosia	1	Padauk	3
Brazilian walnut tree	1	Elm	3
Walnut	2	Gmelina arborea Roxb	3
Keruing	2	Hemlock	3
White poplar	2	Dryobalanops aromatica	3
Teak	2	Oak	3
Fir	3	Masson pine	4
Douglas fir	3	Chilean tree	4
Lauan	3	White pine	4
Ash	3	Larch	4
White fir	3	Apitong	4
Maple	3	Birch	4
White ash	3	Basswood	4