USER MANUAL

MADE IN CHINA

CE RoHS M101040057

⚠ Please read this manual carefully before using this product and keep it properly for future use

USER MANUAL

PINLESS MOISTURE METER



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120*90mm

Safety information

Introduction

Non-destructive induction hygrometer, which transmits and receives high-frequency electromagnetic wave signals from the measured materials through the reverse sensor, can test all kinds of materials without destruction. The instrument has the functions of VA reverse display color screen, double display of digital and analog, double alarm of sound and characters, conversion of various measurement modes, one-key locking of measurement data, locking of maximum or minimum value, environmental temperature and humidity detection, etc.

The displayed value of the instrument represents the average value of moisture content in an area, and the detection area is 40mm(length)X-40mm(width)X20mm(height). The electromagnetic wave emitted can penetrate the depth of 20mm at most, so it is required that the thickness of the measured object should be greater than 20mm, and the area of the measured object should be greater than 40X40mm.

1. Safety information

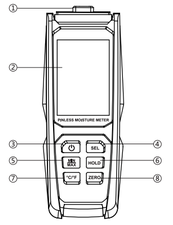
⚠ Before operating or maintaining this instrument, please read the following information carefully and use it according to the instructions.

* After storage and shipment in harsh environment, check and confirm whether the instrument is damaged.
* The instrument should work within the specified environmental temperature and humidity range.

The structure diagram

* Do not store or use the instrument in direct sunlight, high temperature and humid environment.
* Non-professional maintenance personnel are forbidden to open, adjust or repair this instrument.
* Turn off the power supply after the instrument is used. If it is stored for a long time, please remove the battery to prevent from leaking and corroding the instrument.
* During measurement, the instrument should be placed on a flat surface, and the sensor should be closely attached to the surface of the object.

2. The structure diagram



1. Probe of environment temperature and humidity
2. VA reverse color screen
3. Power key
4. Selection key
5. Maximum and minimum value hold
6. Data hold
7. °C/°F conversion key
9. Zero key
10. Humidity sensor
11. Battery cover

Display

3. Display



Symbols	Description
	Low battery
	Automatic shutdown
	Analog display
HOLD	Hold symbol
ZERO	Clear
DRY	Dry
RISK	Risk
WET	Wet
	Ambient temperature
	Ambient humidity
°C	Degree Celsius
°F	Fahrenheit
%	Percentage
DRYWALL	Gypsum wall model
MASONRY	Brick wall mode
SOFTWOOD	Soft wood mode
HARDWOOD	Hardwood mode
MAX	Maximum value hold
MIN	Minimum value hold

Technical parameters

4. Technical parameters

Product name	Non-destructive induction hygrometer
Measuring range	Softwood and hardwood: 0%~100%. Humidity measurement of gypsum wall and masonry wall is relative value.
Maximum measured thickness	4/3 inch (20mm)
Temperature measurement	±2.0°C /3°F（0~45°C /32~113°F）±2.5°C /4°F（-10~0°C /45~60°C /14~32°F、113~140°F）
Moisture measurement	±5.0%RH（20%~95%）
Automatic shut-down	10 minutes
Indicator	VA reverse color screen
Battery	1.5V X 3 AAA
Operational current	About 20mA
Working temperature	0~50°C
Working humidity	0%~70%RH
Storage environment	-10~60°C（5%~75%RH）
Size	165*63*32mm
Weight	About 164g (excluding battery)

Operating instructions

5. Operating instructions

1. Long press (⏻) to turn on the power, short press to turn off the power.
2. Press the (SEL) key to change the required measurement material mode.
3.MAX/MIN maximum and minimum value hold function: Press the MAX/MIN key during measurement to lock the maximum or minimum measurement data.
4.HOLD hold function: Press the HOLD key to lock the numerical value displayed in the measurement process or unlock the numerical value lock function.
5. After the machine is turned on, it will automatically measure the temperature and humidity in the current environment. Press the (**°C/°F**) key to convert between °C and °F.
6.ZERO reset function: 0-point calibration is performed based on the current air humidity or the humidity of the measured object.
7. During measurement, place the instrument on the surface of the object to be measured, and the humidity sensor is closely attached to the surface of the material to be measured.
8. When the instrument is measuring, the alarm sound of the buzzer changes with the measured humidity value, giving out warnings of different frequencies (RISK, slow buzzer sound warning, WET humidity alarm, rapid buzzer sound).
9. Cancel the automatic shutdown function: Hold down the HOLD key in the shutdown state, press the power key to start the machine, and release the key when APO is displayed on the screen. The automatic shutdown symbol disappears in the upper left corner of the display (⏲), and the automatic shutdown function is canceled at this time. Restart after manual shutdown to restore the automatic shutdown function.

Humidity display/Replace the battery/Annexes

6. Humidity display

Measurement mode	Green /DRY	Yellow /RISK	Red /WET
DRYWALL	0.0～17.9	18.0～35.9	36.0～54.0
MASONRY	0.0～11.9	12.0～23.9	24.0～36.0
SOFTWOOD	0.0～31.9	32.0～63.9	64.0～100
HARDWOOD	0.0～31.9	32.0～63.9	64.0～100

7. Replace the battery

① Turn off the power supply of the instrument.
② Use a screwdriver to remove the screw of the battery cover on the opposite side of the instrument.
③ Remove the battery cover and the old battery.
④ Replace with the new 1.5V x 3AAA battery.
⑤ Install the battery cover and tighten the fixing screws.

8. Annexes

Name	Quantity
Instrument	1
Operation instruction	1
Cloth bag	1
1.5V×3AAA alkaline battery	3