# USERS MANUAL

MADE IN CHINA

CE RoHS

# USERS MANUAL




WOOD MOISTURE TESTER

## CATALOG


| | |
|---|---|
| 1. FUNCTION DESCRIPTION | 1 |
| 2. DESCRIPTION OF LCD PANEL | 3 |
| 3. TECHNICAL INDEX | 4 |
| 4. OPERATION STEPS | 5 |
| 5. AUTOMATIC SHUTDOWN FUNCTION | 5 |
| 6. MATERIAL PARAMETERS | 6 |
| 7. PRECAUTIONS | 7 |




Before you use this product , please read this manual carefully, it will teach you the correct operation method, in order to play the excellent performance of the machine sturdy and durable.

This tester is a professional instrument for measuring the moisture content of materials, often used to measure the moisture content of wood or construction materials.

The measurement data is to provide a basis for whether further drying is required.

The instrument also has the capability to measure the temperature and humidity of the material site environment.

Precautions to avoid personal injury or instrument damage

Operate the instrument correctly according to the intended use of the product and within the parameters specified in the technical data sheet.

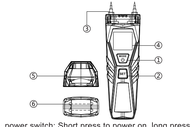
Do not store this product with solvents, acids or other corrosive substances.

Beware of personal injury caused by electrodes! When the instrument is not in use, please cover the protective cap.

**1. FUNCTION DESCRIPTION:**





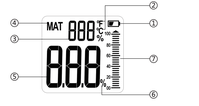



1. power switch: Short press to power on, long press to power off (short press to display ambient temperature and humidity after power on, short press SET to switch Fahrenheit and short press power button again to exit temperature and humidity measurement).
2. SET key：MAT range conversion (reference measure ment material parameters during measurement).
3. Electrode probe：For contact measurement of materials.
4. Display screen：Displays the measurement data.
5. Electrode protection cap：Please cover the protective cap when the instrument is not in use and be careful of damage caused by the electrode.
6. Instrument test point MAT1:（T— 52%/ B— 27% /+5%）Used to determine the accuracy of the instrument.





**2. DESCRIPTION OF LCD PANEL:**




① Battery under voltage indication
② Temperature measurement unit
③ Temperature and humidity value
④ Range indication
⑤ Measurement display value
⑥ Unit of measurement
⑦ Analog value display





**3. TECHNICAL INDEX**

| | |
|---|---|
| Electrode length | 10mm |
| Measuring range | Wood：3.7~82% |
| | Building material：0.1~80% |
| | Ambient temperature：-10~60℃ |
| | Environmental relative humidity：0~100% |
| Resolving power | 0.1% ，0.1℃ ，1% |
| Error | 1~75% ±5% |
| Ambient temperature | 0~45℃±1% |
| | -10~0℃ ，45~60℃/±1.5% |
| Ambient humidity | 20~80%/±4.0%RH |
| | 0~20% ，80~100%/±5.0%RH |
| Automatic shutdown | About 15 minutes |
| Measurement rate | 0.5 second |
| Storage temperature | -10~60℃ |
| Operating ambient temperature | 0~40℃ |
| Relative humidity of the operating environment | 0~85%RH |
| Power Supply | 2 × 1.5V AAA battery |
| Size | 147×42×25 mm (Including protective cap) |
| Weight | 90g (Including battery and protective cap) |

**Instructions, standards and tests**：EC instructions：2004/108/EEC





**4. OPERATION STEPS**

1.Short press the power button to turn on the computer( ⏻ ).

2.SET key to switch the test range (select the corresponding range according to the test material).

3.After power on, short press MODE key to switch the ambi ent temperature and humidity, press SET key to convert Fahrenheit.

4.To ensure the accuracy of the measurement readings, select multiple points for repeat measurements.

**5. AUTOMATIC SHUTDOWN FUNCTION:**

If there is no operation about 15 minutes of power on, the instrument will automatically shut down.

Short press the power button to reboot in auto-off mode.





**6. MATERIAL PARAMETERS**

| | |
|---|---|
| 1.Beech, spruce, larch, birch, cherry, walnut | 5.0~73% Weight ratio |
| 2.Oak,pine,maple,ash tree,Douglas fir,willow Eucalyptus | 4.9~82% Weight ratio |
| 3.Afrormosia,Rubber tree,Imbuia,Nove Bidinkala, Cork,Particle board | 3.7~62% Weight ratio |
| 4.Anhydrous gypsum mortar layer | 0.1~17% Weight ratio |
| 5.Cement mortar layer,concrete | 2.7~80% Weight ratio |
| 6.Lime mortar, gypsum | 0.5~2.9% Weight ratio |
| 7.Brick | 0.3~2.6% Weight ratio |





**7. PRECAUTIONS:**

1. When the battery is under voltage screen prompt ( ▭ ) indicates that the battery power is insufficient to replace the new battery.
2. Remove the battery cover screws and open the battery compartment to remove the old battery.
3. Load 2 x 1.5V AAA batteries. Note the battery polarity!
4. Install the battery cover and tighten the battery compart ment screws.
5. Do not use in a hot and humid environment.
6. Please remove the battery for a long time to avoid elect rolyte leakage and corrosion of the instrument.
7. The product backlight is long bright and can not be turn ed off.
8. Always measure the wood along the grain.
9. Building material measurement values are closely related to the building material, the manufacturer and the surroun ding environment,and sometimes even the same material can vary significantly from batch to batch.
10. Instrument shell cleaning with a damp cloth (dipped in soap solution) to clean the shell, can not use corrosive cleaning solvents.