

Wood/Building Material MOISTURE METER

INTRODUCTION

This instrument can be used to measure the moisture level in sawn timber (also paper, cardboard) and hardened materials (mortar, concrete and plaster). It displays the moisture level directly. In addition, it can also measure environment temperature. It is portable and very easy to use.


SPECIFICATION

Display: LCD

Measurement Range: Wood: 6 ~ 60%
Material: 0.2 ~ 2.9%
Temperature: 0 ~ 40°C, or 32 ~ 99°F

Resolution: Wood: 1%
Material: 0.1%
Temperature: 1°C/2°F

Accuracy: Wood: reading < 30%: $\pm 2\%$
reading $\geq 30\%$: $\pm 4\%$
Material: reading < 1.4%: $\pm 0.1\%$
reading $\geq 1.4\%$: $\pm 0.2\%$
Temperature: not specified

Low Battery Indication: Symbol "  " shown on the display

Automatic Power-Off

Data Hold

Battery: 9V, 6F22 or equivalent, 1 piece

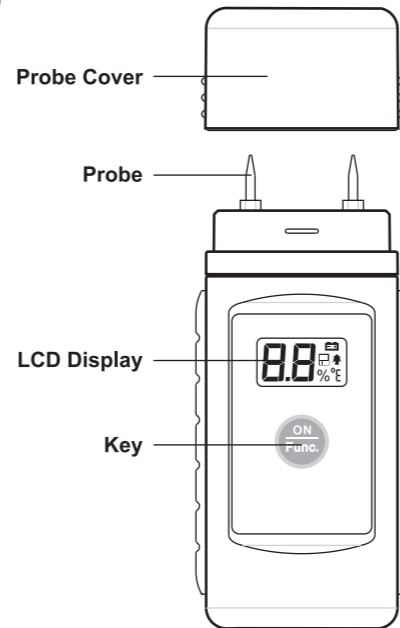
Operating Environment: Temperature: 0°C ~ 40°C
Relative humidity: < 85%

Storage Environment: Temperature: -10°C ~ 50°C
Relative humidity : < 85%

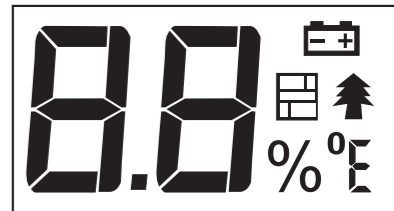
Size: 122 X 51 X 45mm

Weight: about 115g (including battery)




INSTRUCTION







LCD EXPLANATION




Symbol Meanings:

-  ---- Battery is low and should be replaced.
-  ---- Wood moisture measurement mode is selected. In this mode, you can measure the moisture level of sawn timber, paper or cardboard.
-  ---- Material moisture measurement mode is selected. In this mode, you can measure the moisture level of hardened material (mortar, concrete or plaster).
- % ---- Percent (moisture unit)
- °C ---- Celsius degree
- °F ---- Fahrenheit degree


OPERATION INSTRUCTION

1. Press the key once to turn on the instrument.
2. **Selecting Desired Measurement Mode**
 - a. After the instrument has been turned on, press and hold down the key for about 3 secs to enter Setting Mode (reading disappears, symbol starts flickering on the display).
 - b. While symbol is flickering on the display, press the key until the meter is in the desired measurement mode and the corresponding symbol flickers on the display.
The four modes are as follows :
wood moisture measurement mode ("  " flickers), material moisture measurement mode ("  " flickers), Celsius temperature measurement mode ("  " flickers), Fahrenheit temperature measurement mode ("  " flickers).
 - c. After the desired measurement mode is selected, don't operate the instrument. About 3 secs later, the instrument exits Setting Mode automatically. Now you can start measurement.
3. **Performing Measurement**
 - a. For temperature measurements, the display shows the present

environment temperature directly.

- b. To perform moisture measurements, drive the probes into the wood or material to be measured, read the reading on the display.
 - c. To hold the present reading on the display, press the key. The display stops updating and the reading flashes as an indication. To exit Data Hold mode, just press the key again.
4. **Automatic Power-Off Feature**
 - a. In wood moisture or material moisture measurement mode, if you don't operate the instrument (or the reading does not change) for about 30 secs, the instrument will turn off automatically.
 - b. In Celsius or Fahrenheit temperature measurement mode, the instrument will turn off automatically about 30 secs later.
 - c. In any mode, after the symbol "  " appears, the instrument will turn off automatically about 30 secs later. In this case, you should replace the battery immediately.
 5. **After the instrument is turned on, pressing the key turns on the backlight. About 3 secs later, the backlight turns off automatically.**

NOTE

1. Keep the instrument dry.
2. Keep the probe clean.
If a probe is damaged, replace it with a new one. To do it, rotate the damaged probe anticlockwise to remove it, then install a new one.
3. Keep the instrument and battery out of reach of infant and child.
4. Some factors (such as material type and temperature) can affect moisture measurement result and may make it necessary to correct the displayed value. Don't use the instrument in the case of inspections or for reference purposes.
5. When the symbol "  " appears, the battery is low and should be replaced.
If you will not use the instrument for a long period, remove the battery.

DECLARATION

1. This users manual is subject to change without notice.
2. Our company will not take the other responsibilities for any loss.
3. The contents of this manual can not be used as the reason to use the meter for any special application.

DISPOSAL OF THIS ARTICLE

Dear Customer,
If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled.
Please do not discharge it in the garbage bin, but check with your local council for recycling facilities in your area.

