JEFFERSON
MOISTURE METER

JEFDMOIM01

WARNING!
Read carefully and understand all ASSEMBLY AND OPERATION
INSTRUCTIONS before operating.
Failure to follow the safety rules and other basic safety precautions
may result in serious personal injury

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 has three LEDs which are used to indicate the moisture status of the object under test. 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: ±2%
        Material: ±0.1%
        Temperature: not specified

Low Battery Indication: Symbol " 🔋 " shown on the display.
Auto Power Off.
Power Supply: 1.5V button cell, LR44 or equivalent, 4 pieces

Operating Environment:
                Temperature: 0°C ~ 40°C
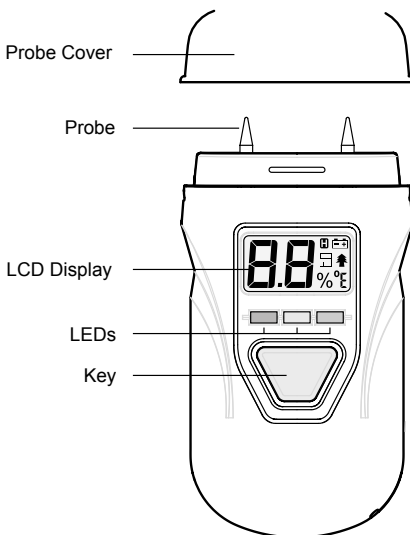   Relative humidity: < 85%
Storage Environment:
                Temperature: -10°C ~ 50°C
                Relative humidity : < 85%

Size: 85 X 46 X 16mm

Weight: about 41g (including button cells)

Instruction

Probe Cover

Probe

LCD Display

LEDs

Key

Understanding the LCD display.

Symbol Meaning:

🔋 -The button cells are low and should be replaced immediately.
🌲 -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 (unit of moisture)
°C -Celsius degree
°F -Fahrenheit degree
H -The present reading has been locked.

Operating instruction

1. Press the key once to turn on the instrument.
2. Selecting Desired Measurement Mode,
   - 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).
   - While symbol is flickering on the display, press the key to select the desired measurement mode, the corresponding symbol
     will flicker on the display as an indication.

Operating instruction cont.

The four modes are as follows :

Wood moisture measurement mode ("🌲" flickers),
Material moisture measurement mode ("▦" flickers),
Celsius temperature measurement mode ("°C" flickers),
Fahrenheit temperature measurement mode ("°F" flickers).

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

- For temperature measurements, the display shows the present environment temperature directly.
- To perform moisture measurements, drive the probes into the wood or material to be measured.
  The display shows the reading, meanwhile the LEDs will also give indication.

For wood moisture measurement mode (🌲): If the reading is < 6%, all the LEDs will be dead.
If the reading is 6% and is < 16%, the green LED will flash. If the reading is 16% and is < 20%, the yellow LED will flash.
If the reading is 20%, the red LED will flash.

For material moisture measurement mode (▦):
If the reading is < 0.2%, all the LEDs will be dead.
If the reading is 0.2% and is < 0.7%, the green LED will flash. If the reading is 0.7% and is < 0.9%, the yellow LED will flash. If the reading is 0.9%, the red LED will flash.

To lock the present reading on the display, press the key. The display stops updating and the symbol "▣ " appears as an indicator. To unlock the reading, just press the key again. "▣ " disappears.

4. Auto Power Off

  -In wood moisture or material moisture measurement mode, if you don't operate the instrument (or the reading does not change) for about 15 secs, the instrument will turn off automatically.
  -In Celsius or Fahrenheit temperature measurement mode, the instrument will turn off automatically about 15 secs later.
  -In any mode, after the symbol "▭" appears, the instrument will turn off automatically about 15 secs later. In this case, you should replace the button cells immediately.
  -After the instrument is turned on, pressing the key turns on the backlight. About 3 secs later, the backlight turns off automatically.

NOTE

• Keep the instrument dry.
• Keep the probes clean.
• Keep the instrument and button cells out of reach of infant and child.
• 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.
• When the symbol ▭ appears, the button cells are low and should be replaced immediately. When you install button cells, ensure that the polarity connections are correct.
  If you will not use the instrument in a long period of time, remove the button cells.

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 instrument 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.

EC Declaration of Conformity.

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following:

EMC COMPATIBILITY STANDARD	EN 61326-1:2013

Notified Body:

Sgs Testing Service Department
No.198, Kezhu Road,
Guangzhou, Guangdong
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Sgs Testing Service Department
No.198, Kezhu Road,
Guangzhou, Guangdong
China

Product Name:

Jefferson Moisture Meter
JEFDMOIM01

Signed by:

Stephen McIntyre
Operations Manager

Date:

9 April 2024

Name and address of manufacturer or authorised representative

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