

DIGITAL MOISTURE METER

For wood & building materials.

This field sized instrument measures the moisture levels in wood, paper, cardboard and building materials (mortar, concrete and plaster). It will also measure ambient temperature. In combination with the LCD display reading, it features a panel of three coloured LEDs (green, yellow and red) to provide a quick visual indication of the percentage of moisture in the object being tested.

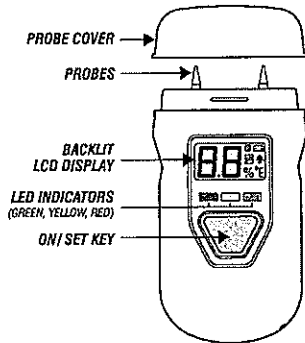
FEATURES

- Snap-on protective probe cover and built-in carrying strap.
- LED indicators for quick visual reference.
- Backlit LCD display.
- Low battery indicator: "E" is shown on the display.
- Automatically powers OFF after 15 seconds of inactivity.
- Data hold "L" feature locks the reading on the display.

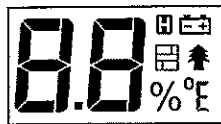
SPECIFICATIONS

- **Measurement Range:**
Wood: 6 to 60%. Building Materials: 0.2 to 2.9%.
Temperature: 0° to 40°C / 32° to 104°F.
- **Resolution:**
Wood: 1%. Building Materials: 0.1%. Temperature: 1°C / 2°F.
- **Operating Environment:**
Temperature: 0° to 40°C / 32° to 104°F. Relative humidity: < 85%.
- **Storage Environment:**
Temperature: -10° to 50°C / 14° to 122°F. Relative humidity: < 85%.
- **Power supply:** 4 x 1.5V button cells, LR44 or equivalent.
- **Size:** 85 X 46 X 16mm.
- **Weight:** about 40g (including button cells).

INSTRUCTIONS FOR USE



UNDERSTANDING THE LCD DISPLAY



Symbol Meanings:

	The batteries are low and should be replaced.
	Wood moisture measurement mode is selected. In this mode, measure the moisture level of wood, paper or cardboard.
	Building materials moisture measurement mode is selected. In this mode, measure the moisture level of mortar, concrete or plaster.
	Celsius temperature measurement mode.
	Fahrenheit temperature measurement mode.
	The present reading has been locked.

OPERATING INSTRUCTIONS

1. Press the ON/SET key once to turn on the meter.
2. Select the desired measurement mode:
 - a. After the meter has been turned on, press and hold down the ON/SET key for about 3 seconds to enter the setting mode. The 0.0% reading will disappear and a mode symbol will start flashing on the display.
 - b. While the mode symbol is flashing on the display, press the ON/SET key repeatedly until the desired measurement mode symbol is selected.
The four modes are as follows:
 - WOOD moisture measurement mode "🌲" flashes.
 - BUILDING MATERIALS moisture measurement mode "🏠" flashes.
 - CELSIUS temperature measurement mode "°C" flashes.
 - FAHRENHEIT temperature measurement mode "°F" flashes.
 - c. After the desired measurement mode is selected, wait 3 seconds to automatically exit the setting mode. It is now ready to take measurements in the mode selected.

3. Performing Measurements

- a. To perform moisture measurements, select the correct measurement mode and then press the probes into the wood or material to be measured. The LCD display will show the reading and the LED panel will give a visual indication of the moisture level.

LED readings in wood moisture measurement mode (🌲):

- Moisture reading < 6%, no LEDs will be lit.
- 6% ≤ moisture reading < 16%, the GREEN LED will flash.
- 16% ≤ moisture reading < 20%, the YELLOW LED will flash.
- Moisture reading ≥ 20%, the RED LED will flash.

LED readings in building materials moisture measurement mode (🏠):

- Moisture reading < 0.2%, no LEDs will be lit.
- 0.2% ≤ moisture reading < 0.7%, the GREEN LED will flash.
- 0.7% ≤ moisture reading < 0.9%, the YELLOW LED will flash.
- Moisture ≥ 0.9%, the RED LED will flash.

- b. To lock a reading on the display, press the ON/SET key once. The display will stop updating and the symbol "L" will appear as an indicator that the reading is locked. To unlock the reading, press the ON/SET key once and the "L" will disappear.
- c. To take temperature readings, select either the Celsius or Fahrenheit mode. As soon as the mode symbol is chosen, the ambient temperature will automatically appear on the LCD screen.

4. Auto Power Off

If the meter remains inactive for 15 seconds, it will automatically power off (saving battery life).

5. Display Backlight

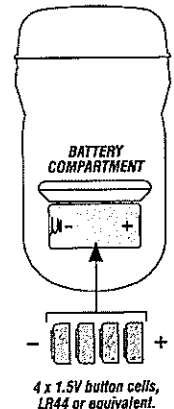
With the meter turned on, press the ON/SET button to turn on the backlight. It will remain lit while the user is actively seeking the desired measurement mode. When meter activity stops, it will automatically turn off after 3 seconds.

NOTE

1. Keep the instrument dry.
2. Keep the probes clean.
3. Keep the meter and the batteries out of reach of children.
4. Some factors such as wood species, material type and temperature can affect moisture measurements.
5. When the low battery symbol "E" appears, the batteries have been depleted and should be replaced.

WARNING

When you install the button cells, ensure that the polarity connections are correct. Batteries which are incorrectly installed into equipment can short-circuit. This can result in a rapid temperature rise and venting causing leakage or explosion. If the meter will not be used for an extended period of time, remove the button cells.



DISPOSAL OF THIS DEVICE

Do not dispose of this electronic device or the batteries in regular municipal waste or by fire. Contact your local waste management service/city government for correct and environmentally friendly disposal methods for these items.



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