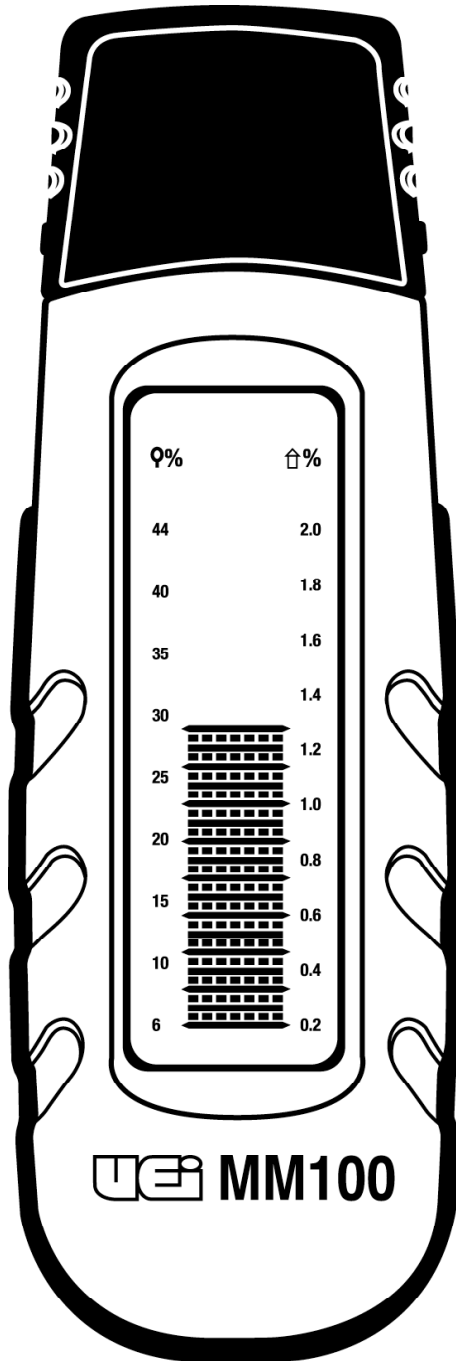




INSTRUCTION MANUAL

MM100

Moisture Meter



1-800-547-5740 • Fax: (503) 643-6322
www.ueitest.com • email: info@ueitest.com

Introduction

The MM100 is used to measure the moisture level in wood, cardboard and paper as well as in hardened material such as plaster, concrete and mortar.

Features include

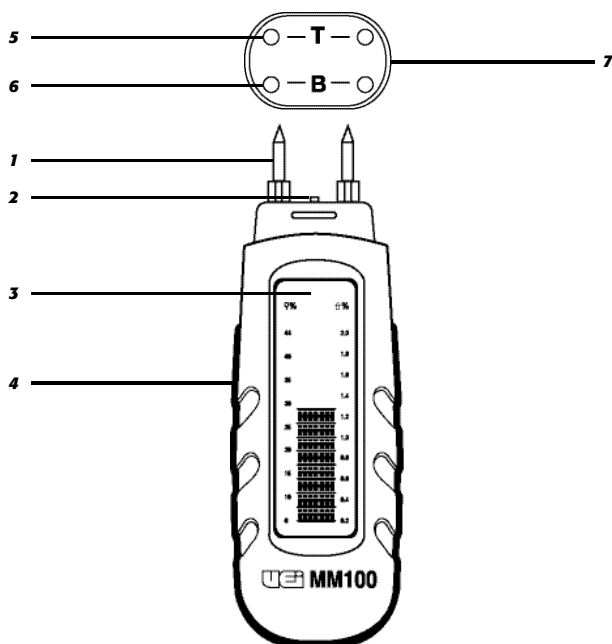
- Range:
 - Wood: 6~44%
 - Material: 0.2~2.0%
- Accuracy:
 - Wood: $\pm 1\%$
 - Material: $\pm 0.05\%$
- Operating range temperature 32~104°F (0~40°C)
- Relative humidity 0~85%
- Replaceable electrodes
- Ruggedized design
- Auto power off
- Battery check test
- Built-in belt clip

Safety Notes

Before using this meter, read all safety information carefully. In this manual the word "**WARNING**" is used to indicate conditions or actions that may pose physical hazards to the user. The word "**CAUTION**" is used to indicate conditions or actions that may damage this instrument.

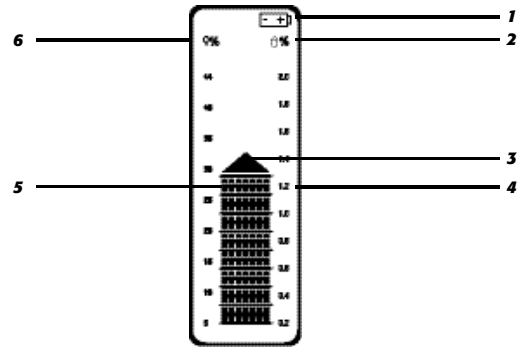
Controls and Indicators

1. **Measurement pins**
2. **Reset switch** (power off)
3. **LCD display**
4. **Hand grip**
5. **Measurement test points**
6. **Battery test points**
7. **Removable cap** (powers unit off and contains the test function)



LCD Display Functional Description

1. **Low battery symbol**
2. **Building material icon**
3. **Over range indication**
4. **Building material scale**
5. **Wood scale**
6. **Wood range icon**



Operating Instructions



WARNING!

The electrode pins are very sharp. Keep the cap on the instrument when not in use and use care when taking measurements.

The MM100 automatically switches on when the protective cap is removed. To conserve battery life the meter will turn off after 15 minutes. To turn back on either briefly install the protective cap or press on the yellow switch located between the measurement electrodes.

To measure:

1. Turn the instrument on by removing the protective cap.
2. Press the measurement pins into the material being measured.
 - When measuring the moisture in wood, insert the pins across the grain of the wood and not in line with the grain.
3. Take multiple readings to obtain the best indication of moisture in the material.
4. Reinstall the protective cap to turn power off.

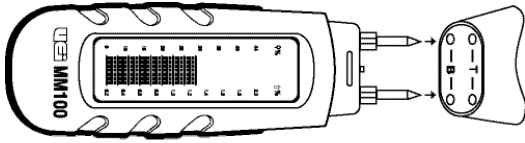
The display has two scales based on the material being measured. The left scale is for wood based products such as timber, cardboard or paper, and the right side is for hardened material such as plaster, concrete and mortar. The center of the display is the scale with both continuous lines and dashed lines.

To read the display:

1. Read the wood range of 6 to 44%.
 - Solid lines are even values: 6, 8, 10, 12 etc.
 - Dashed lines are odd values: 7, 9, 11, 13 etc.
2. Read the building material range of 0.2 to 2.0%.
 - Solid lines are even values: 0.2, 0.4, 0.6, 0.8 etc.
 - Dashed lines are odd values: 0.3, 0.5, 0.7, 0.9 etc.

Function Test

The protective cap also includes a measurement and battery verification test function.



Measurement test:

1. Touch the electrodes to the two test points indicated with the "--T--".
2. Verify the display reads 27% \pm 2% on the wood scale.
 - If it is out of this range return for repair.

Battery test:

1. Touch the electrodes to the two test points indicated with the "--B--".
2. Verify the display reads 44%.
 - If the display is less than 44% replace the batteries.

Maintenance

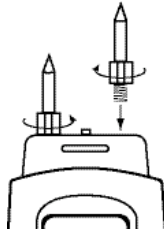
These guidelines will help you attain long and reliable service from your meter:

1. Keep instrument dry.
2. Keep measurement pins clean and protected.

Changing the Electrodes

One set of replacement electrodes are included in the event that the original set is damaged or worn. To replace simply remove by hand or use a 5mm open end wrench.

1. Remove protective cap.
2. Remove electrodes.
3. Install new electrodes.
4. Replace protective cap.



WARNING!

Do not over tighten when installing the electrodes.

Specifications

Measuring principal	Electrical resistance
Display	LCD bar graph w/dual range for wood/materials
Electrodes	Integrated and replaceable
Electrode length	5/16" (8mm)
Measuring range	
Wood	6~44%
Material	0.2~2.0%
Accuracy	
Wood	\pm 1%
Material	\pm 0.05%
Auto power off	After approx 15 minutes
Battery	(3) CR2032
Operating range	32° ~ 104°F (0° ~ 40°C) 0~85% RH
Dimensions	5.5" x 1.9" x 1.0" (139 x 47 x 25 mm)
Weight	0.22 lb (100g)



MM100

Moisture Meter

Limited Warranty

The MM100 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at U Ei's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. U Ei shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

1-800-547-5740 • FAX: (503) 643-6322
www.ueitest.com • Email: info@ueitest.com

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

