



# **MT-10**

## **Moisture Meter**

### **Users Manual**

- Mode d'emploi
- Bedienungshandbuch
- Manual d'Uso
- Manual de uso



# **MT-10**

## **Moisture Meter**

### **Users Manual**

**English**

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### **Limited Warranty and Limitation of Liability**

Your Amprobe product will be free from defects in material and workmanship for 1 year from the date of purchase. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Amprobe's behalf. To obtain service during the warranty period, return the product with proof of purchase to an authorized Amprobe Test Tools Service Center or to an Amprobe dealer or distributor. See Repair Section for details. THIS WARRANTY IS YOUR ONLY REMEDY. ALL OTHER WARRANTIES - WHETHER EXPRESS, IMPLIED OR STATUTORY - INCLUDING IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE HEREBY DISCLAIMED. MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

### **Repair**

All test tools returned for warranty or non-warranty repair or for calibration should be accompanied by the following: your name, company's name, address, telephone number, and proof of purchase. Additionally, please include a brief description of the problem or the service requested and include the test leads with the meter. Non-warranty repair or replacement charges should be remitted in the form of a check, a money order, credit card with expiration date, or a purchase order made payable to Amprobe® Test Tools.

### **In-Warranty Repairs and Replacement – All Countries**

Please read the warranty statement and check your battery before requesting repair. During the warranty period any defective test tool can be returned to your Amprobe® Test Tools distributor for an exchange for the same or like product. Please check the "Where to Buy" section on [www.amprobe.com](http://www.amprobe.com) for a list of distributors near you. Additionally, in the United States and Canada In-Warranty repair and replacement units can also be sent to a Amprobe® Test Tools Service Center (see address below).

### **Non-Warranty Repairs and Replacement – US and Canada**

Non-warranty repairs in the United States and Canada should be sent to a Amprobe® Test Tools Service Center. Call Amprobe® Test Tools or inquire at your point of purchase for current repair and replacement rates.

In USA

Amprobe Test Tools  
Everett, WA 98203  
Tel: 877-AMPROBE (267-7623)

In Canada

Amprobe Test Tools  
Mississauga, ON L4Z 1X9  
Tel: 905-890-7600

### **Non-Warranty Repairs and Replacement – Europe**

European non-warranty units can be replaced by your Amprobe® Test Tools distributor for a nominal charge. Please check the "Where to Buy" section on [www.amprobe.com](http://www.amprobe.com) for a list of distributors near you.

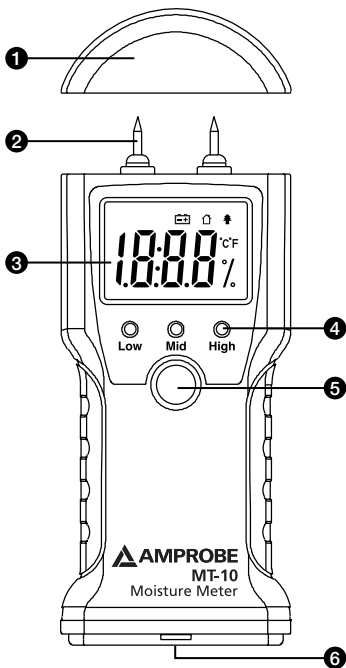
European Correspondence Address\*

Amprobe® Test Tools Europe  
In den Engematten 14  
79286 Glottertal, Germany  
Tel.: +49 (0) 7684 8009 - 0

\*(Correspondence only – no repair or replacement available from this address. European customers please contact your distributor.)

## MT-10 Moisture Meter

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① Test Probes Cover

② Pin

③ Display (LCD)

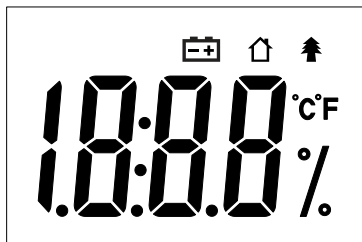
④ LED




⑤ Function Button / Power on / off

⑥ Battery Cover

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## LCD Display



	Batteries are 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





# **MT-10 Moisture Meter**

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## SYMBOLS

	Caution! Refer to the explanation in this Manual
	Conforms to relevant Australian standards
	Complies with European Directives
	Do not dispose of this clamp meter as unsorted municipal waste. Contact a qualified recycler for disposal.

### **⚠ WARNING and PRECAUTIONS**

- *Do not operate the meter in explosive gas (material), combustible gas (material) steam or filled with dust.*
- *Keep the instrument dry.*
- *Keep the probe clean.*
- *Keep the instrument and battery 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.*

## UNPACKING AND INSPECTION

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Your shipping carton should include:

- 1 MT-10 moisture meter
- 1 9 volt battery
- 1 Users manual

If any of the items are damaged or missing, return the complete package to the place of purchase for an exchange.



## INTRODUCTION

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Moisture meters MT-10 can be used to measure the amount of water in the wood or building material so that the woodworker can determine if it is suitable for the intended purpose. Building inspectors, carpenters, hobbyists, and other woodworkers often are required to have moisture meters. Wood flooring installers, for example, have to verify that the moisture of the wood matches the relative humidity in the air of the building. If this step is skipped, a vast array of problems may present itself: cracking, cupping, crowning, buckling, sunken joints, and cracked finishes.

## OPERATION

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**1. Press the POWER ON/OFF button once to turn on the instrument**

**2. Selecting desired Measurement Mode**

a) After the instrument has been turned on, press and hold down the button for about 3 seconds to enter Setting Mode (reading disappears, symbol starts flickering on the display).

b) While symbol is flickering on the display, press the button 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 ("°C" flickers), Fahrenheit

temperature measurement mode ("°F" flickers).

c) After the desired measurement mode is selected, don't operate the instrument. About 3 seconds later, the instrument exits Setting Mode automatically. Now you can start measurement.

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### 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.

### 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 1 minute, the instrument will turn off automatically.
- b) In Celsius or Fahrenheit temperature measurement mode, the instrument will turn off automatically about 1 minute later. After the instrument is turned on, pressing the button turns on the backlight. About 15 seconds later, the backlight turns off automatically.


### 5. MOISTURE READINGS (LED)

- Green** - indicates "air-dry" conditions.
- Yellow** - indicates increased moisture.
- Red** - indicates excess moisture.

## SPECIFICATION

Display: LCD and 3 LED's

	Measurement Range	Resolution	Accuracy
Wood	8 ~ 60%	0.1%	±2%
Building Material	0.3 ~ 2.0%	0.01%	±0.1%
Temp.	0°C ~ 40°C or 32°F ~ 99°F	0.1°C / 0.2°F	±2°C / ±4°F

Low Battery Indication : Symbol " " shown on the display

Automatic Power-Off

Battery : 9V, 6F22

	Operating Environment	Storage Environment
Temp.	0°C ~ 40°C	-10°C ~ -50°C
Relative Humidity	< 85%	< 85%

Compliance : Complied with CE Regulation

## **MAINTENANCE AND REPAIR**

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If there appears to be a malfunction during the operation of the meter, the following steps should be performed in order to isolate the cause of the problem.

1. Check the battery. Replace the battery immediately when the "⊖+" symbol appears on the LCD.
2. Review the operating instructions for possible mistakes in operating procedure.

Except for the replacement of the battery, repair of the meter should be performed only by a Factory Authorized Service Center or by other qualified instrument service personnel. The front panel and case can be cleaned with a mild solution of detergent and water. Apply sparingly with a soft cloth and allow to dry completely before using. Do not use aromatic hydrocarbons or chlorinated solvents for cleaning.

## **BATTERY REPLACEMENT**

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Requires one standard 9V battery. Battery compartment is located on the bottom of the meter

1. Lift clip to access the battery compartment.
2. Connect a new 9V battery.
3. Replace the cover and securely snap in place. The meter is now ready for use.

**Visit [www.Amprobe.com](http://www.Amprobe.com) for**

- Catalog
- Application notes
- Product specifications
- User manuals



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