

**GENERAL**  
**MM6012**  
 USER'S MANUAL



**MICRO-PROCESSOR  
 GENERAL PURPOSE  
 DIGITAL MOISTURE METER**

**GENERAL**  
 Specialty Tools & Instruments™

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MM6012 User's Manual  
 Specifications subject to change  
 without notice

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This unit uses exclusive MICRO-COMPUTER LSI circuit and crystal time base to offer high accuracy measurement and fast measuring time.

The use of durable, long lasting components, including a strong, lightweight ABS-plastic housing assures maintenance free performance for many years.

The housing has been carefully shaped to fit comfortably in either hand.

**FEATURES:**

- Wide measuring range and high resolution
- Digital display gives exact reading with no guessing or errors
- Compact, lightweight and easy operation
- Can be applicable of wood fiber materials, wooden articles, Chinese traditional medicine, tobacco, cotton, papers, etc.

**SPECIFICATIONS:**

- Range: Moisture content : 0 to 50%  
 Temperature: -10° to 65°C  
 Operation Temp: 32° to 122°F (0° to 50°C)  
 Operation Humidity: ≤85%
- Resolution: 0.1
- Accuracy: Moisture content: (0.5% $\pm$ 1)
- Temperature:  $\pm$ 0.8°C
- Display: 4 digits, 10 mm (4")  
 LCD (Liquid Crystal Display)
- Power Source: 4 "AA" batteries  
 Dimensions: 7" x 2.7" x 1.5"  
 (178 x 68 x 39 mm)
- Weight: about 6.7 oz (190 g)  
 (not including batteries)

Includes: Batteries, Manual  
 and Hard Carrying Case

**FRONT PANEL  
 DESCRIPTION**



**MEASUREMENT OPERATION:**

**1. Moisture content:**

- Hold the handle of the measurement needles and leave the needles in the air, i.e. don't let needles touch anything except air.
- Set the Function Switch to the "MC" (Moisture Content) position to switch on the power supply.
- You will hear 2 clicking sounds. That is a self-calibration conducted by the instrument.
- Insert two steel measurement needles into the wood to be measured. The reading on the Display is the measurement value.

**2. Temperature:**

- Set the Function switch to the "TEMP" position to switch on the power supply.
- There is no need to insert the needles into the wood. The reading on the Display is the measurement value of the environment temperature.
- It takes a few minutes to stabilize when conditions or environment have changed.

**3. Hold:**

To keep the maximum value, just push the "DATA HOLD" button for a few seconds and the symbol "max" will appear on the Display. To cancel the hold value, just push the "Hold" button again for a few seconds until the symbol "max" disappears.

**BATTERY REPLACEMENT:**

- When it is necessary to replace the battery (battery voltage less than approx. 5V), Loosen the screws on the back of the battery cover and remove the old batteries.
- Install new batteries correctly into the case. Permanent damage to the circuit can result from incorrect installation.
- If the instrument is not to be used for an extended period of time, please remove the batteries.

**NOTE:** This instrument is of very high input resistance. Every part has good insulation. Please keep it in a dry, dustproof place.