

CARE AND MAINTENANCE:

1. The instrument has an accurate temperature compensation function, but in a high temperature or high humidity environment, it may produce difference or a wrong message.
2. The sensor (needles) is the electric conduction element of connecting the measured material. In order to avoid damage to the instrument and electric shock, when the measured material has voltage or static electricity, please clear the voltage or cut off the power and then go to measure.
3. Please push the two needles into the material at the same time and keep them inserted for a while to get a more accurate value reading.
4. For hard material, or if the material needs deep inspection, please use the special needle (option).
5. To avoid an incorrect reading, if the low power symbol appears, please replace the battery before using.
6. The sensor (needles) is the main element. If the sensor is damaged or has other problems, please replace with a new one to use continually.
7. When not in use, remove the battery from the instrument and put and all its accessories into the protection case. Store the kit in a dry, dust-free environment out of direct sunlight.
8. Please contact your local agent or our customer service department for any question(s) or product repair.



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MM70 User's Manual
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GENERAL®

MM70 USER'S MANUAL



Precision LED Moisture Meter

INTRODUCTION:

The MM70 Precision LED Moisture Meter has an ergonomically-designed shape and uses a new type of circuit design. It is highly accurate, responds quickly, and has passed CE and RoHS electric security and green regulatory.

APPLICATION:

The MM70 can be used to measure the moisture (%) of wood, architectural material and the moisture equivalent (%WME) of most material. It is very practical for quality control and management/inspection after-processing or before-processing, and business trade.


PREPARATION:

1. Please check all equipment before using the instrument:

Main instrument	1 ea
Replacement needle screw	2 pcs
Protection cap	1 pc
Soft portable leather case	1 pc
Needle probe	1 pc
"9V" battery (option)	1 pc
Replacement needle	2 pcs
Instruction manual (including wood calibration table)	1 set

2. Please push down the round marks on battery cover and slide out the battery cover at the same time. Then, place a "9V" battery according to "+/-" and reinstall the battery cover.

USING THE MM70:


1. Remove the protection cap to expose the needles.
2. Switch the instrument power on by pressing  key, the green LED (ON) will light up and "beep".
3. Before the needles make contact with anything, the other LED's will not be bright. If they are bright, please check or calibrate the instrument.

LOW POWER WARNING: Complete the steps above to turn on. If the top red LED (Low Batt.) flashes and makes a "beep" twice, it represents low power. Please exchange with a new battery before using the instrument.

4. Push the two needles into the object to measure the moisture. When the instrument is stable, it will get an accurate reading. It will make a short "beep" warning twice, then the LED display will show the reading of the moisture value.

5. If the material is difficult to reach or requires longer needles to measure deeply, please connect the extension probes into the right side socket to assist in operating.

The reading value of the same object measured by either the extension probes, or the needles is equal.

6. After operating, please remove the needles and press  key to turn off. Then, put instrument back into the protection case.

This instrument has an auto-power off function. The instrument will turn off automatically to save power after 40 seconds of non-operation.

LED DISPLAY FUNCTION:

1. The MM70 uses a new type of LED with a power-save function, high brightness, and quick response. It not only has a high DPI, but also a multi-color indicator to show measurement of the moisture percentage of material.


2. Multi-color indicator with LED range listed below

LED color	Range	Moisture condition of material
Green	5.5 ~ 16%	Normal - dry
Yellow	17% ~ 21%	slightly over normal range
Red	Over 22%	wet, damp

REMARK: The display value of this instrument is set according to the moisture of wood or construction material. When the MM70 is used to measure other materials, the display value only represents the wood moisture equivalent (%WME), it is not actual moisture.

3. ON (green LED below): Power on and LED lights.
4. Low Batt. (Top red LED): Flashes for low power warning.

CALIBRATION AND INSPECTION:

This instrument has been calibrated completely before ex-work, and it can be operated steadily for a long time with normal use without needing any adjustments. For special conditions, if the instrument needs to be adjusted, it is recommended to use a small "flat-head"  screw driver to do fine adjustments on the right side "CAL" potentiometer, or contact our technical department.

SIGNAL OUTPUT:

The MM70 has an analog signal output function, and can be used to connect the recorder/logger or other equipment. When the MM70 is used to constantly measure, it can be connected with the left output socket under the instrument.