MOISTURE METER MC-6012

This MOISTURE METER is small in size, light in weight, easy to carry.
Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

- **Easy to use**
- **Hand-held readout and remote detector**
- **Suitable for most materials**
- **0% ~ 50% moisture content measuring range**
- **Temperature measurement between 10°C ~ 80°C**

An easy to use moisture meter with hand-held readout and remote detector for ease of reading and use. Simply press the remote hardened pins into the timber and take down the reading from the digital readout. When covering a whole plank the hold button, once depressed, will allow only the maximum moisture content to be displayed, useful when looking over a batch of material. Suitable for most materials with a measuring range from 5% to 50% moisture content. The MC6012 also has provision for measuring temperatures in the range 10°C ~ 80°C. Requires four AA batteries (Not supplied - See Batteries for Meters & Instruments within this section).

MOISTURE METER MC-6012

1. FEATURES

❖ Used the exclusive MICRO-COMPUTER LSI circuit and crystal time base to offer high accuracy measurement & fast measuring time.
❖ Wide measuring range & high resolution.
❖ Digital display gives exact reading with no guessing or errors.
❖ Compact, lightweight, and easy operation.
❖ Can be applicable of wood fibre materials, wooden articles, Chinese traditional medicine, tobacco, cotton and papers etc.
❖ 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.

2. SPECIFICATIONS

Display	: 4 digits, 10mm (4") LCD (Liquid .Crystal Display)
Range	: Moisture content: 0 ~ 50% Temp.: -10 ~ 65°C
Resolution	: 0.1
Accuracy	:
Moisture content	: $\pm$ (0.5%n + 1)
Temperature	: $\pm$ 0.8^{o}C
Operation Temp.	: 0 ~ 50°C or 32 ~ 122"F
Operation Humidity	: $\leq$85%
Battery	: 4 x 1.5 AA (UM-3) battery
Size	: 178 x 68 x 39 mm
Weight	: about 190g (not including batteries)
Accessories	:
Carrying Case	: 1pc.
Operation Manual	: 1pc.
Measurement Needle	: 1pc.

4.   MEASURING PROCEDURE

4-1 Moisture content

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

4-2 Temperature

A.   Set the Function Switch to the Temp. position to switch on the power supply.
B.   There is no need to insert the needles into the wood. The reading on the Display is the measurement value of environment temperature.
C.   It takes a few minutes to stabilize when conditions or environment are changed.

4-3 Hold

To keep the maximum value, just push the Hold button for a while, the symbol "max" will appear on the Display. To cancel the hold value, just push Hold button again for a while when the symbol "max" disappears.

5.   BATTERY REPLACEMENT

(1)   When it is necessary to replace the battery (battery voltage less ⊟ ⊕ than approx. 5V), symbol " " will appear on the display.
(2)   To loose the screws of the battery cover away from the instrument and remove batteries.
(3)   Install the batteries correctly into the case. Permanent damage to the circuit from incorrect installation.
(4)   If the instrument is not to be used for any extended period, remove batteries.