

# Moisture Meter User Manual



## Moisture meter for wood and building material

Used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). It displays the moisture level in the material straightaway.

### 1. Technical Data

<b>Measuring Principle:</b>	Electrical resistance
<b>Electrode Length:</b>	8 mm
<b>Electrodes:</b>	Integrated, replaceable
<b>Measuring Range:</b>	Wood: 6-44 % Material: 0.2-2.0 %
<b>Display Resolution:</b>	Wood: 1 % Material: 0.1% Temperature: 1°C
<b>Accuracy:</b>	Wood: $\pm 2\%$ Material: $\pm 0.2\%$ Temperature: $\pm 1^\circ\text{C}$
<b>Auto Power OFF:</b>	After approx. 2 minutes
<b>Battery:</b>	4 $\times$ LR44, replaceable
<b>Housing Material:</b>	Impact-proof plastic housing
<b>Ambient Temperature:</b>	0-50°C
<b>Ambient Relative Humidity:</b>	0-85 %RH

## 2. Maintenance

- Always keep instrument dry.
- Prevent dirt from getting in between the measuring electrodes
- Changing the electrodes:  
Unscrew the 5 screws at the back of the instruments.  
Remove housing lid. Unscrew all 5 screws on the electronic plate. Replace electrodes  
Close instrument again.

## 3. Application

- Remove the cap from the top side and place on the bottom side

### The Instrument switches on automatically.

- Press the measuring electrodes as far as possible into the material.
- Always measure the moisture in the wood perpendicular to the fibre structure.
- Repeated measuring yields representative measured data.
- Once the measurement is finished, press the on/off key for about 2 seconds and the instrument switches itself off.

### The Mode of Instrument

This instrument has automatic power-off (about 2 minutes) function, when the user holding the ON/OFF key, after about 2 seconds, the instrument will enter the mode which will cancel the automatic shutdown function automatically, at this mode, the instrument will shut down automatically when the user do not any operating in about 2 minutes; When the user through holding the MODE key, then press the ON/OFF key, the instrument will enter the mode which will cancel the automatic shutdown function, the instrument will work all the time until the user to turn it off.

### Temperature Display

0-50 centigrade 32-122 Fahrenheit

**Please Note:** Characteristics due to growth or type of wood and deviating wood temperatures may make it necessary to correct the displayed values. Measurements should be carried out according to the drying and weighing/calcium carbide method in the case of inspections or for reference purposes.

### ON/OFF Key

Long press (2 seconds) to select on/off function, short press for opening/closing backlight function

### Mode Keys

Long press (2seconds) for the Celsius/Fahrenheit temperature switch function, short press for wood/material humidity measurement switch function

### Memory Function

The instrument in the operation of the user after the reboot will memory the last set, includes the choice of measurement for wood /building materials, Fahrenheit/Celsius, and backlight

### Changing the Battery

When the batteries become exhausted or drop below the operating voltage, the battery warning symbol will appear in the LCD display. The battery should be replaced.

Unscrew the 1 screws at the back of the instrument.

Remove the battery housing. Change battery. **Observe polarization!** Reconnect instrument.

