



INSTRUCTION MANUAL

MT962

MOISTURE METER



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1. INTRODUCTION

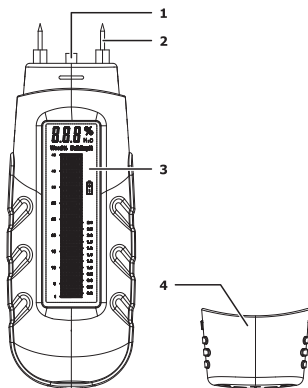
The MT962 Moisture Meter measures moisture level in sawn timber, dry wall partitioning, cardboard, paper, as well as in hardened materials such as plaster, concrete and mortar. The MT962 displays the moisture level immediately on the LCD Bargraph. The protective cap has a built-in reference for function test & battery test. The MT962 is perfect for the professional or a handy man.

2. FEATURES

- Integrated electrodes
- Measures hardened materials moisture
- Measures timber moisture
- Wood measuring range 1% to 45%
- Building material measuring range 0.1% to 2.4%
- Wood resolution range $\pm 1\%$
- Building material resolution range $\pm 0.1\%$
- Built-in battery check
- Protective Cap has a built-in reference for Function Test
- Small and compact design to fit in pocket
- Auto power off

3. DESCRIPTION

1. Power (on/off) switch
2. Test electrode
3. Digital and analog LCD display
4. Protective cap



4. SPECIFICATIONS

Function	Range
Measuring Principles	Electrical resistance
Electrode Length	8mm
Electrodes	Integrated, replaceable
Measuring Range	Wood: 1 - 45% Material: 0.1 - 2.4%
Resolution	Wood: $\pm 1\%$ Material: $\pm 0.1\%$
Accuracy	$\pm 3.0\%RH$
Auto Power Off	After approx. 15min
Battery	3 x CR2032, replaceable
Housing Material	Impact-proof plastic housing
Ambient Temp.	0 - 40°C
Ambient Relative Humidity	0 - 85% RH
Dimensions (mm)	139(L) x 47(W) x 25(D)
Weight	$\pm 100g$

5. APPLICATION

- Remove the cap from the top of the instrument and turn it around, you have T & B for Timber & Building reference checks.
- 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, place the cap back on the top of the instrument, it will then automatically switch off.

6. DISPLAY

- The reading is shown in the form of data and bar graph:
 - a continuous line = even values e.g. 1, 3, 5, 7, 9
 - - - - a dotted line = uneven values e.g. 0.2, 0.4, 0.6, 0.8, 1.0
- Overflow: reading > 45%/4.5%
- Reference bar display has to full.
- When the digital reading > 60%/6.0%, the LCD will display "OL"

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.

7. FUNCTION CHECK

"O-----T-----O" Connect electrodes with T contacts to the protective cap.

- Reference display for wood: $27\% \pm 2\%$
- Reference display for building material: $1.3\% \pm 0.1\%$

"O..... B.....O" Connect electrodes with B contacts to the protective cap.

- Reference display for wood: $44\% \pm 2\%$
- Reference display for building material: $2.1\% \pm 0.1\%$
- Function error: Send instrument for servicing.


8. AUTOMATIC POWER OFF

In order to conserve battery life, the meter will automatically turn off after approx. 15 minutes after replacing the protective cap. To switch the instrument back on press the power button, the display will come on.

9. MAINTENANCE

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

10. CHANGING THE BATTERY

When the batteries are flat or drop below the operating voltage, the battery warning "  " symbol will appear on the LCD display.

The battery should then be replaced:

1. Unscrew the 1 screws at the back of the instrument.
2. Remove the battery housing.
3. Change battery. Observe polarization!
4. Reconnect instrument.



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