Introduction

Congratulations on your purchase of the Extech MO200 Moisture Meter. The MO200 detects moisture in wood and other building materials such as wall board, sheet rock, cardboard, paper, plaster, concrete, and mortar. Careful use of this meter will provide years of reliable service.
**Specifications**

- **Display**: Dual measurement scale LCD with bargraph metering
- **Measurement principle**: Electrical resistance
- **Range**: Wood: 6 to 44%, Building materials: 0.2 to 2.0%
- **Electrode length**: 0.3" (8mm)
- **Electrode pins**: Insulated, replaceable
- **Auto Power OFF**: After approx. 15 minutes
- **Power supply**: Three (3) CR-9330 button cells
- **Meter housing**: Impact-proof plastic
- **Operating Temperature**: 32 to 104°F (0 to 40°C)
- **Operating Humidity**: 85% Relative Humidity maximum
- **Dimensions**: 5.1 x 1.6 x 1.2" (130 x 40 x 25mm)
- **Weight**: 2.3 oz. (100g)

**Description**

**Meter Description**

1. Measurement electrode pin
2. Cutoff switch
3. LCD (detail below)
4. Hand grip
5. Verification Test Points
6. Battery check Test Points
7. Removable cap (top view)

**Display Description**

1. Low battery icon
2. Building material scale
3. Over range arrow
4. Building material units
5. Solid line – even number
6. Dashed lines – odd number
7. Wood scale
8. Wood units
1. Remove the protective cap to expose the electrode pins.
2. The meter automatically switches ON when the cap is removed.
3. The meter automatically shuts OFF when the cap is replaced.
4. To conserve battery life, the meter automatically shuts off after 15 minutes when the cap is left off. To revive the meter after an Auto Power/Off, simply press the yellow cut-off switch momentarily.
5. Carefully push the electrode pins as far as possible into the material under test. Note that the pins should be inserted into wood perpendicular to the wood's fiber structure.
6. Take several readings in several locations on the material for the best representation of the amount of moisture present.
7. Read the measurement values on the display.
8. Replace the protective cap when finished.

Reading the Display
1. The LCD display has two scales.
2. The left side of the display indicates wood hardness from 6 to 44%.
3. The right side of the display indicates building materials (plaster, brick, concrete, mortar, etc.) from 2.0 to 2.0%.
4. A continuous line indicates an even number. A dotted line indicates an odd number.
5. The battery icon appears when the batteries are weak and require replacement.

Auto Power OFF
With the protective cap removed, the meter will turn off after 15 minutes to conserve battery life. Press the yellow cut-off switch momentarily to restart the meter. Always secure the protective cap when the instrument is not in use.

Instrument Measurement Verification check
1. Touch the electrode test pins to the two test points 1 and 2 at the top of the protective cap labeled ‘T’.
2. With the unit on and the electrode pins touching the ‘T’ test points, the meter should read 27% ±2%. If not, the meter may require repair.

Battery Check
1. Touch the electrode test pins to the two test points 3 and 4 at the top of the protective cap labeled ‘B’ (see diagram).
2. With the unit on and the electrode pins touching the ‘B’ test points, the meter should read > 44% on the wood moisture scale. If not, replace the batteries.
Battery Replacement

If the instrument does not switch on, displays the low battery symbol, or if the Battery Check yields less than 44% on the wood moisture scale, replace the batteries as follows:

3. Remove the Phillips head screw from the belt clip/battery compartment located on the rear of the instrument.
4. Remove the batteries taking note of their orientation and polarity.
5. Install three (3) new CR-2032 button batteries observing polarity.
6. Secure the battery compartment with the Phillips head screw.

Maintenance

- Always keep the instrument dry
- Prevent dirt from accumulating at the electrode areas.

To replace the two electrode pins:
1. Remove the protective cap
2. Unscrew the 4 rear perimeter Phillips head screws (the battery compartment screw can remain intact during the pin replacement process)
3. Remove the rear cover
4. Carefully remove the old pins by pulling straight up
5. Install the new pins
6. Replace the rear cover
7. Secure the Phillips head screws
8. Replace the protective cap

Warranty

EUTECH INSTRUMENTS CORPORATION warrants this instrument to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies to sensors and calibrations). If it should become necessary for repair of the instrument for service during or beyond the warranty period, contact the Customer Service Department at (781) 890-7440 ext. 210 for authorization or visit our website www.eutech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned to Eutech. The sender is responsible for shipping charges, weight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, installation outside of specifications, improper maintenance or repair, or unauthorized modification. Eutech specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Eutech’s liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

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Product specifications subject to change without notice
For the latest version of this User Guide, Software updates, and other up-to-the-minute product information, visit our website: www.eutech.com.

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