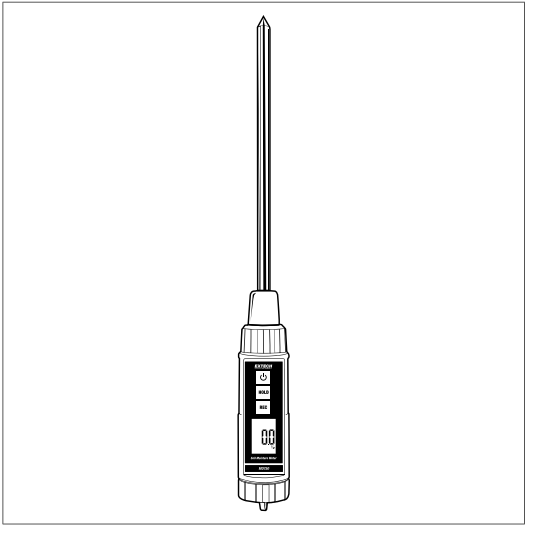
EXTECH

USER MANUAL

Soil Moisture Meter

MODEL MO750



Introduction

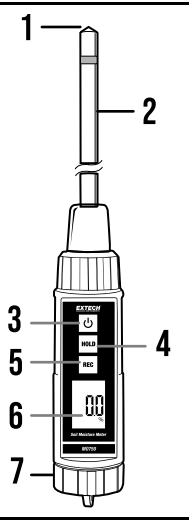
Congratulations on your purchase of the Extech Soil Moisture Meter. This meter has been designed for reliability and ease of use and to provide accurate measurements even in harsh environments. Features include large display, stainless steel probe, and waterproof housing. This meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

Features

- Monitors moisture level of soil or other similar material.
- 0 to 50% moisture content range with 0.1% resolution.
- All in one digital soil meter, easy to operate.
- 8 in. (20.3 cm) stainless steel probe.
- Data hold function to freeze the value on the display.
- Powered by four (4) 1.5 V (AAA) batteries.
- Low battery indicator.
- Durable, long-lasting components, enclosed in strong, compact ABS plastic housing.

Meter Description

1. Moisture sensor
2. Moisture probe
3. Power button
4. Hold button
5. MAX-MIN record button
6. Display (LCD)
7. Battery compartment



Operation

Preparation

1. Connect the probe to the meter, ensuring that the probe connector keys align with the meter connector, and secure the probe with the knurled locking ring.
2. Unscrew the battery cap, insert four ‘AAA’ batteries (observing correct polarity), and close the cap.
3. Remove the plastic probe tip cover.

Measurements

1. Press the power button to switch ON the meter.
2. Insert the probe into the soil.
3. Read the moisture content (%) on the display.

Data Hold

1. Press the HOLD button to freeze the measured value on the display. The **HOLD** icon will appear.
2. Press the HOLD button to exit this mode.

MAX-MIN Recording

1. Press the REC button to begin recording. The **REC** will appear.
2. Press REC again. The **MAX** icon will appear with the highest reading shown.
3. Press REC again. The **MIN** icon will appear with the lowest reading shown.
4. Long press the REC button to exit this mode.

Note: With the **MAX** or **MIN** icons shown, pressing the HOLD button will reset (clear) the MAX-MIN memories.

Measurement Considerations

1. The probe should be inserted at least 10 cm (4 in.) into the soil.
2. If the moisture content is very high, it may take several minutes to obtain a stable reading.

Low Battery

The battery icon will appear when the batteries need replacing. Replace the batteries immediately, per the Preparation section, above, to ensure accurate readings.

 Do not dispose of used batteries or rechargeable batteries in household waste.

Specifications

Display type	LCD
Measurement range	0 to 50% moisture content
Accuracy	±(5% +5 digits) full scale @ 73.4°F ±9°F (23°C ±5°C)
Resolution	0.1%
Low battery indication	Battery symbol appears on display
Power supply	Four (4) 1.5 V (AAA) batteries
Power consumption	12 mA DC (approximately)
Operating temperature	32 to 122°F (0 to 50°C)
Operating humidity	80% RH (maximum)
Dimensions	Meter: 6.8 x 1.6 x 1.6 in. (172 x 40 x 40 mm) Probe: 8.7 in. x 0.4 in. diameter (220 mm x 10 mm diameter)
Weight	0.58 lbs. (267 g) with batteries

Limited 2–Year Warranty

FLIR Systems, Inc. warrants this Extech brand instrument to be free of defects in parts and workmanship for two (2) years from date of purchase. To view the full warranty, please visit the site below.

https://www.extech.com/support/warranties

Customer Support

Local Telephone Support List	https://support.flir.com/contact
Return Material Authorization (RMA)	https://customer.flir.com/Home
Customer Support	https://support.flir.com/ContactService
Technical Support	https://support.flir.com

FLIR Systems, Inc. offers calibration and repair services for the Extech brand products we sell. We offer NIST traceable calibration for most of our products.

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Website
http://www.flir.com

Customer support
http://support.flir.com

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