

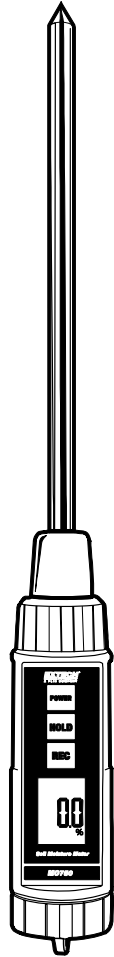
User's Guide

EXTECH[®]
INSTRUMENTS

A FLIR COMPANY

Soil Moisture Meter

Model MO750



Introduction

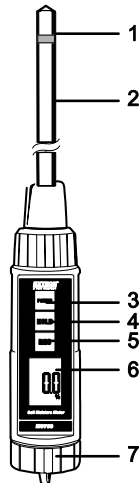
Congratulations on your purchase of this Extech Soil Moisture Meter. This meter has been designed to provide accurate measurements even in the harshest of environments. Features such as the large display, stainless steel probe and waterproof housing all contribute to the ease of use and the reliability you would expect from an Extech meter. This meter is shipped fully tested and calibrated and, with proper use, will provide years of reliable service.

Features

- Designed to check the moisture level of soil or other similar material.
- Measurement range : 0% to 50% moisture content of soil sample with 0.1% resolution.
- All in one digital soil meter, easy to operate.
- 8" Stainless steel probe
- Data hold function to freeze the value on the display.
- Operates from DC 1.5V (UM4/AAA) x 4 PCs batteries.
- Built-in low battery indicator.
- Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing.

Meter Description

1. Moisture Sensing head
2. Moisture Probe
3. Power button
4. Hold button
5. Record button
6. LCD display
7. Battery compartment



Operation

Preparation for use

1. Align the probe connector keys with the meter connector, insert the probe onto the meter and secure the probe with the knurled locking ring.
2. Unscrew the battery cap, insert four AAA batteries (observe polarity) and re-secure the cap.
3. Remove the plastic probe tip cover.

Soil Measurement

1. Press the 'POWER' button to turn the meter ON.
2. Insert the probe into the soil
3. Read the % moisture in the display.

Data Hold

1. Press the 'HOLD' button to lock the measured value in the display. "HOLD" will appear in the display.
2. Press the "HOLD" button to return to normal operation.

Record (Max and MIN)


1. Press the 'REC' button to begin recording the maximum and minimum measured values. "REC" will appear in the display.
2. Press the 'REC' button again, MAX will appear in the display and the maximum value recorded will appear.
3. Press the 'REC' button again, MIN will appear in the display and the minimum value recorded will appear.
4. Press the "REC" button for 2 seconds to exit the record function.

Note: With in "REC – MAX" or "REC – MIN" in the display, pressing the HOLD button will clear the memory and record function will then continue, but with a continuous update.

Measurement Considerations

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

Low Battery

The Low Battery icon  will appear when the batteries need replacing. Replace the batteries as described in 'Preparation for Use'.

Specifications

Display	LCD
Measurement ranges	0 to 50% soil moisture
Accuracy	±(5% +5digits) FS @23±5°C
Resolution	0.1%
Low battery indication	Battery symbol appears on the LCD
Power supply	(4) "AAA" batteries
Power current	12mA DC (Aprox)
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	< 80% RH
Dimensions	Meter: 172 x 40 x 40 mm (6.8" x 1.6" x 1.6") Probe: 220 mm x Dia. 10 mm (8.7" x Dia. 0.4")
Weight	267g/0.58LB.with battery

Warranty

EXTECH INSTRUMENTS CORPORATION (A FLIR COMPANY) 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 cables). If it should become necessary to return 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.extech.com for contact information. A Return Authorization (RA) number must be issued before any product is returned to Extech. The sender is responsible for shipping charges, freight, 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, operation outside of specification, improper maintenance or repair, or unauthorized modification. Extech 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. Extech's total 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.

Calibration and Repair Services

Extech offers repair and calibration services for the products we sell. Extech also provides NIST certification for most products. Call the Customer Care Department for information on calibration services available for this product. Extech recommends that annual calibrations be performed to verify meter performance and accuracy.



Support line (781) 890-7440

Technical Support: Extension 200; E-mail: support@extech.com

Repair & Returns: Extension 210; E-mail: repair@extech.com

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.extech.com
Extech Instruments Corporation, 285 Bear Hill Road, Waltham, MA 02451

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