



METER

TEROS 10 SOIL MOISTURE



TEROS 10 QUICK START

Preparation

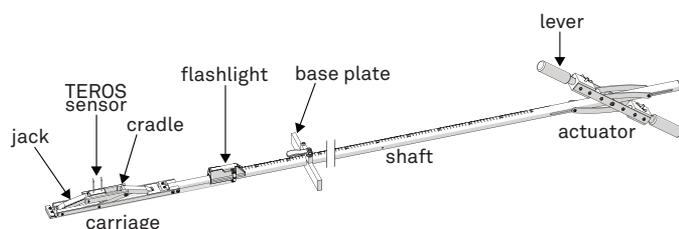
Inspect and verify TEROs 10 components. To validate both sensor-to-sensor variability as well as logger functionality, take a sensor measurement in air and water. The TEROs 10 will read $-0.64 \text{ m}^3/\text{m}^3$ in water and a slightly negative value in air.

NOTE: The sensors are optimized to read in soils, therefore the sensor will not read 100% in pure liquid water.

Installation Tool

Proper installation of the sensors is critical for proper operation. The recommended technique is outlined below.

For easy installation, use the borehole installation tool. The installation tool (shown below) is available for rent from METER Group. Contact [Customer Support](#) for more information.



What is soil moisture?

Soil moisture is a key variable in controlling the exchange of water and heat energy between the land surface and the atmosphere through evaporation and plant transpiration.

[Learn more at metergroup.com](http://www.metergroup.com)

⚠ ATTENTION

TEROS 10 requires the most current software and firmware versions. Please make updates as necessary.

Em50 firmware version 2.27 or higher
ProCheck firmware version 1.69 or higher
ECH2O Utility version 1.83 or higher
DataTrac 3 version 3.16 or higher
EM60 firmware version 1.12 or higher
ZENTRA Utility version 1.12 or higher

Go to <https://www.metergroup.com/environment/downloads/> to find the current software or firmware version for the data logger being used.

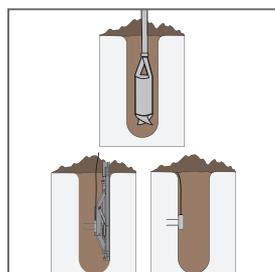
Installation

1. Insert Sensor

Auger or trench a hole to the desired sensor depth. Insert the sensor into the undisturbed soil.

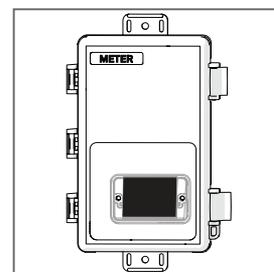
When using the borehole installation tool, load the TEROs 10 as shown above.

Lower the tool into the hole or trench with the back of the tool supported by the far wall. Pull on the lever to activate the jack and insert the sensor into hole wall.



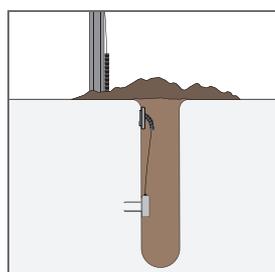
2. Check Sensor Operation

Plug the sensor into the data logger and use the **SCAN** function in the software to do a quick check of sensor operation before backfilling.



3. Repack Soil and Protect Cables

Secure and protect cables with PVC casing or flexible conduit and backfill the trench or hole.



4. Plug Sensor In and Configure Logger

Plug the sensor into the data logger. Use data logger software to apply appropriate settings to the sensors plugged into each data logger port.

The TEROs 10 is an analog sensor and will not be automatically recognized on METER data loggers. Select the right sensor for each port.

