



**METER**

# TEROS 21

## SOIL WATER POTENTIAL SENSOR



# TEROS 21 QUICK START

## Preinstallation

Inspect that TEROS 21 components are intact. An auger or shovel and casing to protect the cable will be needed for installation. When using the sensors in lightning-prone areas, follow the directions for providing protection for the sensors in the application note [Lightning surge and grounding practices](#).

Set up and test the system (sensors and data loggers) in a lab or office. Ensure the data loggers are using up-to-date software.

Read the TEROS 21 User Manual at [metergroup.com/teros21-support/](http://metergroup.com/teros21-support/). All products have a 30-day satisfaction guarantee.

## What is water potential?

Water potential is a key variable and one of the main controlling factors in the exchange of water between soil, plant, and atmosphere.

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

## ATTENTION

TEROS 21 requires the most current software and firmware versions. Please make updates as necessary.

**Em50** firmware version 2.26 or higher  
**ProCheck** firmware version 1.67 or higher  
**ECH2O Utility** version 1.81 or higher  
**DataTrac 3** version 3.15 or higher  
**EM60** firmware version 1.09 or higher  
**ZENTRA Utility** version 1.09 or higher

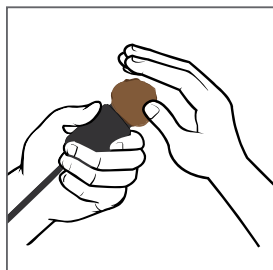
Go to [metergroup.com/environment/downloads](http://metergroup.com/environment/downloads) to find the current software or firmware version for the data logger being used.

## Installation

### 1. Insert Sensor

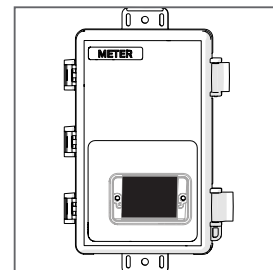
Auger or trench a hole to the desired sensor depth.

Pack native soil around sensor to ensure good hydraulic contact. Insert prepacked sensor into the bottom of the hole.



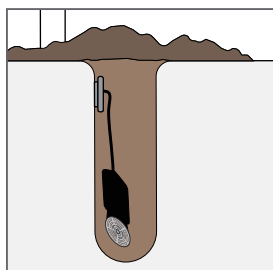
### 2. Check Sensor Operation

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 In Sensor 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.

