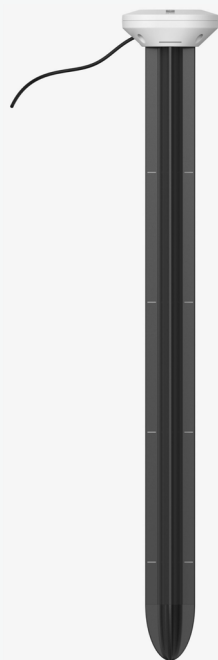# TEROS 54
SOIL WATER CONTENT PROFILE

METER

TEROS 54 QUICK START

Preparation

Confirm TEROS 54 components are intact. For installation, dedicated accessories and ools are required and available from METER. PVC casing or flexible conduit (to protect cables) and a level are also needed.

Determine the desired installation location and choose the best installation method.

⚠ **CAUTION**

The slide hammer is quite loud when being used and also has the chance of pinching fingers. Please wear proper ear protection to prevent hearing damage and wear gloves to protect hands from injury when using the slide hammer for TEROS 54 probe installation.

METER recommends conducting a system check with a logger prior to installation.

Read the full TEROS 54 User Manual at metergroup.com/teros54-support. All products have a 30-day satisfaction guarantee.

A brief installation how-to video is also available on the TEROS 54 Support Page.

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

⚠ ATTENTION

For best results, use the latest versions of METER software and firmware for the computer or mobile device, products, and sensors. Please use the software Help menu to find updates. Consult the sensor user manual for more troubleshooting tips.

Go to metergroup.com/environment/downloads/ to find the current software or firmware version for the data logger being used.
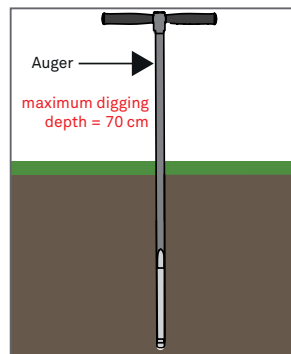
Installation

1. Prepare Hole

Conduct a system check before going to the field.

Auger a verticle hole with the auger. Auger to the desired depth (maximum of 70 cm) in steps to avoid soil compaction.

Insert the TEROS 54 probe into the borehole firmly, but carefully.

Remove the yellow cap from the TEROS 54 probe and keep for later use.

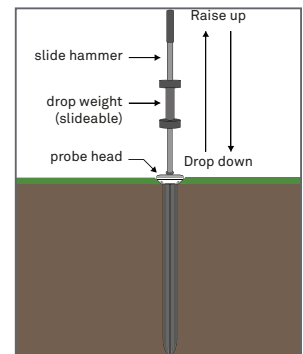
Auger

maximum digging depth = 70 cm

2. Insert Probe

Insert the tip of the TEROS 54 into the center of the borehole.

Push the probe into the borehole only if the soil allows it to slide in easily. If it doesn't go in when pushed, use the slide hammer
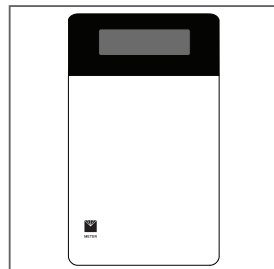
Place the slide hammer on top of the probe head, raise the weight, and drop the weight until the head is level with the soil.

Raise up

slide hammer

drop weight (slideable)

probe head

Drop down

3. Check Sensor and Protect Cables

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

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

4. Plug Sensor In and Configure Logger

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

SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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