



## RT-1 and ECT TEMPERATURE SENSOR

METER



## 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.

### NORTH AMERICA

Email: [support.environment@metergroup.com](mailto:support.environment@metergroup.com)  
Phone: +1.509.332.5600

### EUROPE

Email: [support.europe@metergroup.com](mailto:support.europe@metergroup.com)  
Phone: +49 89 12 66 52 0

# RT-1/ECT QUICK START

## Preparation

Confirm that the sensor components are intact. The sensor is completely waterproof, submersible, and designed for continuous outdoor use. Contact [Customer Support](#) for more information.

The RT-1 and the ECT sensors are the same sensors that perform different measurements. The RT-1 measures soil temperature, and the ECT is paired with a radiation shield to measure the air temperature.

Set up and test the system (sensors and reader or data logger) in a lab or office. Ensure the reader or data logger is using up-to-date firmware and software. Verify all sensors read within expected ranges ([metergroup.com/products/rt-1-support](http://metergroup.com/products/rt-1-support); [metergroup.com/products/ect-support](http://metergroup.com/products/ect-support)).

All products have a 30-day satisfaction guarantee.

## ATTENTION

RT-1/ECT requires the most current software and firmware versions. Please make updates as necessary.

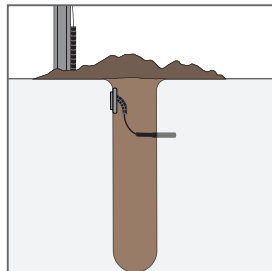
**ZL6** firmware version 2.04 or higher  
**ZSC** firmware version 1.00 or higher  
**PROCHECK** firmware version 1.69 or higher  
**ZENTRA Utility** version 1.18 or higher

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.

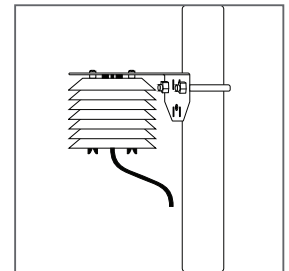
## Installation

### 1. Insert Sensor

**Soil temperature (RT-1).** Trench a hole to the desired sensor depth. Insert the sensor into the undisturbed soil.

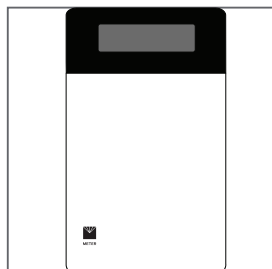


**Air temperature (ECT).** Securely mount and level the sensor.



### 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.



### 3. Configure Logger

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

