



# IRT INFRARED THERMOMETER INSTALLATION INSTRUCTIONS

## METER

### Preparation

Inspect and verify components are intact. Installation will require a mounting pole with a 31.8- to 50.8-mm (1.25- to 2-in) diameter and mounting hardware (bracket). Before beginning installation, consider the surroundings and avoid obstructions.

Set up and test the system (sensors and data loggers) in a lab or office. Ensure the data loggers are using up-to-date firmware and software. Check the following locations for firmware and software updates:

ZL6 [metergroup.com/environment/products/zl6/#support](http://metergroup.com/environment/products/zl6/#support)  
Other [metergroup.com/environment/articles/buy-browse-meter-legacy-data-loggers](http://metergroup.com/environment/articles/buy-browse-meter-legacy-data-loggers)

Read the IRT specifications and manual at [metergroup.com/irt](http://metergroup.com/irt).

Measurement Range	Accuracy	Half Angle
-30 to +65 °C	±3 °C when sensor body within 20 °C of target temperature	SI-411 22°, SI-421 18°, SI-431 14°, SI-4H1 32° horizontal, 13° vertical

All products have a 30-day satisfaction guarantee.

### Installation

The sensor should be mounted to get the desired field of view (FOV). For help in calculating the FOV, use the calculator from Apogee found at [apogeeinstruments.com/irr-calculators](http://apogeeinstruments.com/irr-calculators). Plug the sensor cable into the data logger. Use data logger software to apply appropriate settings to the sensors plugged into each data logger port. Relieve strain on the connections and prevent loose cabling from being inadvertently snagged by gathering and securing the cables between the sensor and the data logger to the mounting pole in one or more places.

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