SPECTRAL REFLECTANCE SENSOR (SRS) INSTALLATION INSTRUCTIONS

18293-00
2.15.2019

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 2.00-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
Other metergroup.com/environment/articles/buy-browse-meter-legacy-data-loggers

Read the SRS specifications and manual at metergroup.com/srs.

Measurement Range	Resolution
0–2 W m^{-2} nm^{-1} (hemispherical) 0–2 W m^{-2} nm^{-1} sr^{-1} (field stop, 18 °C half angle)	0.0001 W m^{-2} nm^{-1} (hemispherical) 0.0001 W m^{-2} nm^{-1} sr^{-1} (field stop, 18 °C half angle)

All products have a 30-day satisfaction guarantee.

Installation

The sensor should be mounted to get the desired field of view (FOV). For help calculating the FOV for the field stop sensor, use the simple calculator from Apogee found at 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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