



0.2 mm Rainfall (2m cable) Smart Sensor

Part # S-RGB-M002

Overview

This Rain Gauge Smart Sensor measures rainfall with a resolution of .2 mm, and 1% accuracy for rainfall rates up to 12.7 cm. The tipping bucket mechanism is mounted on a stainless steel shaft with brass bearings. This model includes a 2m cable.

Highlighted Features

- Measures rainfall rates up to 12.7 cm per hour
- Resolution of 0.2 mm
- Maximum of 4000 tips per interval
- 2m cable

In what environment does this data logger operate?

This sensor operates in an outdoor environment.

What measurements does this data logger support?

The S-RGB-M002 sensor supports the following measurement: Rainfall

Specification

The country of origin for this product is the United States. To see the full specifications for this product, please see our product manual found under the documentation tab if available.

Measurement range: 0–12.7 cm or 0–5 in. per hour; maximum 4000 tips per interval

Operating range: 0° to 50°C (32° to 122°F); survival -40° to 75°C (-40° to +167°)

Mechanism: Tipping bucket, stainless steel shaft with brass bearings

Resolution: 0.2 mm (S-RGB) 0.01 inch (S-RGA) models

Calibration: Requires annual calibration; can be field calibrated by user or returned to factory

Calibration accuracy: ±1.0% at up to 20 mm or 1" per hour


Housing: Aluminum housing and collector

Dimensions: 22.8 cm height x 15.4 cm diameter (9" height x 6" diameter), 154 mm receiving orifice (6.06")

Approximate weight: 1 Kg (2 lbs)

Cable lengths: 2 meter, 6.5 feet

Note: Comes with side bracket for post or tripod mount and feet for surface mount. If mounting separate from main tripod, order with 6m cable and an additional 1.5m mast. If mounting on main tripod, order with guy wire kit.

 - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)