



## S-RGE-M002 Sensor

### Davis 0.01" Rain Gauge Smart Sensor

Davis® Rain Gauge Smart Sensors are compatible with all HOBO weather station loggers, HOBOWare, and HOBOLink. They offer the same ease-of-use as existing Onset Smart Sensors, providing cost-effective HOBO weather stations for projects on a tight budget. The sensors feature a plug-in modular connector for easy installation, and all configuration parameters are stored in the sensor and automatically communicated to the logger, eliminating the need for programming or extensive setup.

Designed to meet World Meteorological Organization (WMO) guidelines

Also available in a wireless model for use with the HOBOnet Field Monitoring System.

#### Supported Measurements:

Rainfall



## S-RGE-M002 Sensor Specifications

Measurement Range	0 to 10.2 cm (0 to 4 in.) per hour, maximum 4,000 tips per logging interval
Accuracy	±4.0%, ±1 rainfall count between 0.2 and 50.0 mm (0.01 and 2.0 in.) per hour; ±5.0%, ±1 rainfall count between 50.0 and 100.0 mm (2.0 and 4.0 in.) per hour
Resolution	0.01 in. (S-RGE-M002) or 0.2 mm (S-RGF-M002)
Calibration	Requires annual calibration; can be field calibrated
Operating Temperature Range	0° to 50°C (32° to 122°F), survival -40° to 75°C (-40° to 167°F)
Environmental Rating	Weatherproof
Housing	UV-stabilized ABS plastic
Mechanism	Tipping bucket with magnetic reed switch pivots on metal shaft
Dimensions	16.5 cm opening diameter (6.5 in.) x 24 cm (9.5 in.) high; 214 cm <sup>2</sup> (33.2 in. <sup>2</sup> ) collection area
Weight	1.2 kg (2.7 lbs)
Bits per Sample	12
Number of Data Channels*	1
Measurement Averaging	No
Cable Length Available	2 m (6.6 ft)
Length of Smart Sensor Network Cable*	0.5 m (1.6 ft)

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