



S-RGF-M002 Sensor

Davis 0.2 mm Rain Gauge Smart Sensor

The Davis® Rain Gauge Smart Sensors features the new AeroCone® design, for better measurement accuracy in high-wind conditions. This gauge is made from UV-stabilized ABS plastic to provide a cost-effective sensor for rainfall measurement, and is plug-and-play compatible with all HOBO weather stations.

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

Supported Measurements:

Rainfall

Key Advantages:

- Streamlined design reduces the amount of missed rain capture in windy conditions, resulting in more accurate rainfall data
- Improved debris screen locks in place to ensure it remains in place during high winds
- 16.5 cm (6.5") collector opening meets World Meteorological Organization (WMO) guidelines



S-RGF-M002 Sensor Specifications

| | |
|--|---|
| Measurement Range | 0 to 10.2 cm per hour, maximum 4,000 tips per logging interval |
| Accuracy | ±4.0%, ±1 rainfall count between 0.2 and 50.0 mm per hour; ±5.0%, ±1 rainfall count between 50.0 and 100.0 mm per hour |
| Resolution | 0.2 mm |
| 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 ² (33.2 in. ²) 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).

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
- ▶ Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
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