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Davis® 0.2 mm AeroCone Rain Gauge Smart Sensor for HOBO Weather Station Loggers

Product Images

Short Description

Davis® Rain Gauge Smart Sensors are compatible with all HOBO weather station loggers,

Description

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-stabilised ABS plastic to provide a cost-effective sensor for rainfall measurement, and is plug-and-play compatible with all HOBO weather stations.

Key Features

- 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 Organisation (WMO) guidelines.

Additional Information

Country of Manufacture	United States	
Brand	Onset HOBO	
Explanation	**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-RGC-M002) or 0.2 mm (S-RGF-M002)
	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-stabilised ABS plastic
	Mechanism	Tipping spoon 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).
Measurements	Rainfall	
Installation	Cable Length Available: 2 m (6.6 ft) Length of Smart Sensor Network Cable: 0.5 m (1.6 ft)	