ONSET®

S-WCF-M003 Sensor

Davis Wind Speed and Direction Smart Sensor

Davis® Wind Speed/Direction 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:

Wind

S-WCF-M003 Sensor Specifications

	Wind Speed/Gust	Wind Direction
Measurement Range	0 to 76 m/sec (0 to 170 mph)	0 to 355 degrees
Accuracy	±1.1 m/sec (±2 mph) or ±5% of reading, whichever is greater	±7 degrees
Resolution	0.5 m/sec (1.1 mph)	1 degrees (0 to 355 degrees)
Starting Threshold	≤1 m/sec (2.2 mph)	1 m/sec (2.2 mph)
Measurement Definition	Cup revolutions are accumulated every three seconds for the duration of the logging interval **Wind speed**: Average speed for the entire logging interval **Gust speed:** The highest three-second wind recorded during the logging interval See *Measurement Operation*.	Unit vector averaging used; vector components for each wind measurement are calculated every three seconds for duration of logging interval (see *Measurement Operation*)
Operating Temperature Range	-40°C to 65°C (-40°F to 149°F)	
Environmental Rating	Weatherproof	
Housing	Polycarbonate wind cups	UV-resistant ABS wind vane and black-anodized aluminum anemometer arm
Bearing Type	Sealed stainless steel	
Turning Radius	108 mm (4.25 in.)	Approximately 135 mm (5.25 in.)
Dimensions	470 x 191 x 121 mm (18.5 x 7.5 x 4.75 in.)	
Weight	1.332 kg (2 lb, 15 oz)	
Bits per Sample	8 for each channel, 24 total	
Number of Data Channels*	3	
Measurement Averaging Option	Automatic averaging (see *Measurement Operation*)	
Cable Length Available	3 m (9.8 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
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- In U.S. toll free 1-800-564-4377
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Technical Support (8am to 8pm ET, Monday through Friday)
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