

S-WCF-M003

Davis[®] Wind Speed and Direction Smart Sensor

Compatible with all HOBO weather station loggers, HOBOWare, and HOBOLink; requires no programming or extensive setup.



Compatible with
LI-COR Cloud[®] IoT Platform



Supported Measurements

Evapotranspiration, Wind

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 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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Bourne, MA 02532

Davis® Wind Speed and Direction Smart Sensor (S-WCF-M003) Specifications

Measurement Range	Wind Speed/Gust 0 to 76 m/sec (0 to 170 mph)	Wind Direction 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) Cup revolutions are accumulated every three seconds for the duration of the logging interval	1 m/sec (2.2 mph)
Measurement Definition	Wind speed: Average speed for the entire logging interval Gust speed: The highest three-second wind recorded during the logging interval See <i>Measurement Operation</i> .	Unit vector averaging used; vector components for each wind measurement are calculated every three seconds for duration of logging interval (see <i>Measurement Operation</i>)
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 <i>Measurement Operation</i>)	
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).