

S-WSET-B

Wind Speed and Direction Set Smart Sensor

Includes Onset's research-grade plug-and-play Wind Speed Smart Sensor and the Wind Direction Smart Sensor.



Supported Measurements

Evapotranspiration, Wind

Features

- Wind Sensor Set includes Onset's research-grade plug-and-play Wind Speed Smart Sensor and the Wind Direction Smart Sensor
- Provides average wind speed, highest 3-second wind gust, and average wind direction for the measurement interval
- Durable sensors

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

Wind Speed and Direction Set Smart Sensor (S-WSET-B) Specifications

Specifications	Wind Speed/Gust (S-WSB-M003)
Measurement Range	0 to 76 m/s (0 to 170 mph)
Maximum Wind Speed Survival	76 m/sec (170 mph)
Accuracy	± 1.1 m/s (2.4 mph) or ± 4% of reading whichever is greater
Resolution	0.5 m/s (1.1 mph)
Starting Threshold	1.0 m/s (2.2 mph)
Measurement Definition	Cup revolutions are accumulated every three seconds for the duration of the logging interval. Average speed is the average speed for the entire logging interval. Gust speed is the highest three-second average wind recorded during the logging interval.
Operating Temperature Range	-40°C to +75°C (-40°F to +167°F)
Environmental Rating	Weatherproof
Service Life	Greater than 5 years typical
Housing	Three cup polycarbonate anemometer: Modified Teflon® bearings and hardened beryllium copper with ice shedding design
Bearing Type	Modified Teflon® bearings
Turning Radius	9.5 cm (3.75 in.)
Dimensions	41 x 16 cm (16 x 6.5 in.) including 1.27 cm (0.5 in) diameter mounting rod; 5.5 cm (2.1 in) overhang
Weight	Approximately 700 g (1.5 lbs)
Number of Data Channels	2
Measurement Averaging Option	No
Cable Length Available	3.5 m (11.5 ft)
Length of Smart Sensor Network Cable	0.5 m (1.6 ft)
CE	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)
Part Number	S-WSB-M003

A single HOBO Weather Station logger can accommodate 15 data channels and up to 100 m (325 ft) of smart sensor cable (the digital communications portion of the sensor cables).