



M-CAA Full Crossarm recommended



3-cup Wind Speed Smart Sensor

HOBO® Data Logger

S-WSB-M003 Wind Speed Smart Sensor

The Wind Speed Smart Sensor is a 3 cup anemometer with TEFLON® bearings and hardened beryllium shaft designed to measure wind speed from 0 to 45 m/s (0 to 100 mph). This smart sensor provides data reporting average wind speed and highest 2 second gust for each logging interval. The starting threshold for this instrument is only 1 m/s (2.2 mph); instrument survives through 120 mph. This model comes with a 3m cable.

The S-WDA-M003 Wind Direction Smart Sensor may also be required

S-WSET-A offers both Wind Direction and Wind Speed sensors in a single order package

The S-WSB-M003 and S-WDA-M003 Sensors are for use in Indoor and Outdoor environments.

The M-CAA Full Crossarm is recommended for mounting

Measurements:

The S-WSB-M003 Sensor supports the following measurements : Wind

Measurement parameters: average wind speed and highest 3 second gust in logging interval

Measurement range: 0 to 76 m/s (0 to 170 mph)

Operating Temperature Range: -40° to 75°C (-40° to 167°F)

Accuracy: ±1.1m/s (2.4 mph) or ±4% of reading whichever is greater

Resolution: 0.5 m/s (1.1 mph)

Starting Threshold: 1 m/s (2.2 mph)

Maximum Wind Speed Survival: 76 m/s (170 mph)

Distance Constant: 3 meters

Housing: 3 cup anemometer with TEFLON® bearings and hardened beryllium shaft

Dimensions: 190 cm x 51 cm (7.5" x 3.2")

Approximate Weight: 300 g (10 oz)

Cable Length: 3 meter (10')

Service Life: greater than 5 year life typical

The CE marking identifies this product as complying with all relevant directives in the European Union (EU).

To minimize measurement errors due to ambient RF, use the shortest possible probe cable length and keep the probe cable as far as possible from other cables.

Order Information

Wind Speed Smart Sensor

Wind Direction Smart Sensor

S-WSB-M003 and S-WDA-M003 (SET)

Full Crossarm

Part No

S-WSB-M003

S-WDA-M003

S-WSET-A

M-CAA



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