



## S-WSB-M003 Sensor

### Wind Speed Smart Sensor

Measure wind speed from 0 to 76 m/s (0 to 170 mph). This smart sensor provides data reporting average wind speed and highest 3 second gust for each logging interval. The starting threshold is 1 m/s (2.2 mph); sensor survives through 170 mph. This model comes with a 3m cable.

NOTE: an M-CAA Full Cross Arm or a M-CAB Half Cross Arm is required for mounting.

Interested in wireless sensors? The wireless Wind Speed and Direction sensor is available for use with the HOBOnet Field Monitoring System.

#### Supported Measurements:

Wind

#### Key Advantages:

- 3 cup anemometer with TEFLON® bearings and hardened beryllium shaft
- Measure wind speed from 0 to 76 m/s (0 to 170 mph)
- 170 mph survivability



## S-WSB-M003 Sensor Specifications

**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')

**Length of Smart Sensor Network Cable:** 0.5m

**Service life:** greater than 5 year life typical

*Note:* Cross arm recommended or pole mount (2 hose clamps required for pole mount)

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.