



## Measures Wind Speed and Direction

Includes a compass

### Overview

The MetSENS200 compact weather sensor measures wind speed and direction via an ultrasonic sensor. An integrated electronic compass allows the MetSENS200 to provide accurate, relative wind direction measurements without being oriented in a particular way, making installation easier.

WMO average wind speed and direction and gust data are provided.

The MetSENS200 is compatible and easily integrated with the [MeteoPV Solar Resource Platform](#) and any Campbell Scientific data logger using SDI-12, RS-485, ModbusRS-485, or NMEA RS-232.

### Benefits and Features

- › Quality measurements
- › Fast and simple to install
- › Compact, integrated design
- › Lightweight and robust

### Specifications

Measurements Made	Wind direction and wind speed.
Sampling Rate	1 Hz
Digital Communication Modes	Serial RS-232, RS-485, SDI-12, NMEA, Modbus, ASCII
IP Rating	66
Compliance	CE, RoHS
Operating Temperature Range	-40° to +70°C
Operating Voltage	5 to 30 Vdc
Typical Current Drain @ 12 Vdc	<ul style="list-style-type: none"> <li>› 25 mA (continuous high mode)</li> <li>› 0.7 mA (eco-power mode; 1 hour polled)</li> </ul>
Weight	0.5 kg (1.1 lb)

#### Wind Speed Measurement

Measurement Range	0.01 to 60 m s <sup>-1</sup>
Accuracy	<ul style="list-style-type: none"> <li>› ±3% (up to 40 m s<sup>-1</sup>)</li> <li>› ±5% (up to 60 m s<sup>-1</sup>)</li> </ul>
Resolution	0.01 m s <sup>-1</sup>
Starting Threshold	0.01 m s <sup>-1</sup>

#### Wind Direction Measurement

Measurement Range	0° to 359°
Accuracy	±3° (up to 60 m s <sup>-1</sup> )
Resolution	1°



## Compass

Measurement Range 0 to 359°

Resolution 1°

Units of Measure Degrees

Accuracy  $\pm 3^\circ$

For comprehensive details, visit: [www.campbellsci.com.au/metsens200](http://www.campbellsci.com.au/metsens200) 



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