



Ultra-Sonic Wind Speed & Direction Sensor

Model WS-101

P/N: WS-101

The WS-101 Wind Speed and Direction Sensor is a low cost, SDI-12 anemometer. Utilizing ultrasonic technology, this sensor is extremely accurate without sacrificing cost efficiency. Featuring no moving parts, this sensor offers maintenance-free operation for long-term, unattended monitoring.

Specifications

Wind Speed:

Range: 0 – 60 m/s

Accuracy: $\pm 2\%$ @ 12 m/s

Resolution: 0.01 m/s

Response Time: 0.25 seconds

Threshold: 0.01 m/s

Wind Direction:

Range: 0 - 359°

Accuracy: $\pm 2^\circ$ @ 12 m/s

Resolution: 1°

Response Time: 0.25 seconds

Outputs:

Output Type: SDI-12

Baud Rate: 1200

Physical:

Protection: IP66

Operating Temperature: -35 to 70 °C

Operating Humidity: <5% to 100% RH

Operating Precipitation: up to 300mm/hr

Dimensions: 142mm x 163mm

Weight: 1.1lbs

Power:

Low Power: <2 mA @ 12V

Normal Power: <10 mA @ 12V