



Ultrasonic Wind Sensor S80132

- 2 Axis
- Heated
- No maintenance
- No moving parts

The heated sensor features durable, corrosion-resistant construction with opposing pairs of ultrasonic transducers secured in a streamlined molded frame. This model is fully wind-tunnel tested and calibrated to provide accurate wind measurement over a wide operating range. Voltage outputs are provided for wind speed and wind direction. A variety of serial output formats are also available on the standard sensor. The sensor installs on readily available 1 inch (IPS) pipe.





Technical Specifications

S80132

Specifications:

Heated Model

Wind Speed: 0 to 70 m/s (0 to 156 mph) 0 to 75 m/s optional
Resolution: 0.1 m/s
Accuracy: $\pm 2\%$ or 0.1 m/s (30 m/s), $\pm 3\%$ (75 m/s)

Wind Direction: 0 to 360 degrees
Resolution: 1 degree
Accuracy: ± 2 degrees

Serial Output: RS-232 or RS-485
Formats: ASCII TEXT, RMYT, NMEA, SDI-12
Units: m/s, MPH, Knots, Km/hr

Analog Voltage Outputs:

Wind Speed: 0 to 5000 mV
Wind Direction: 0 to 5000 mV

Power Requirement: 9 to 16 VDC, 30 mA typical (less than 1mA standby)

Operating Temperature: -50 to +50 C

Dimensions: 34cm high x 17cm wide
Weight: 0.7 kg (1.5 lb)
Shipping Weight: 1.6 kg (3.5 lb)