



Ultrasonic Wind Monitor S1404Z

- Extremely rugged
- No moving parts – no maintenance
- Maximum sensitivity
 - 0 - 129 m/s survival
 - 0 - 65 m/s range

A wide operating temperature range (-55°C to +55°C), combined with a rugged and durable design make this wind sensor especially suited for harsh environments. Addition of the internal heating component enables this solid state wind sensor to accurately operate at even colder temperatures — to as low as -55°C.

With maximum sensitivity, the operating speed range spans from 0 to 65 m/s.

This ultrasonic is a great general purpose wind monitor. The RS-485 or SDI-12 output allows for a variety of set ups and sample schemes.

As with all sonics, no maintenance is required, however, periodic calibration is recommended. The sensor comes in three versions: standard with diagnostics, heated with standard diagnostics, and heated with standard and heater diagnostics.





Technical Specifications

S1404Z

Speed

Range:	0 to 65 m/s (0 to 144 mph)
Accuracy:	+/- 0.135 m/s (0.3 mph) or +/- 3%
Resolution:	0.1 m/s (0.1 mph)

Direction

Range:	0 to 360°
Accuracy:	+/- 2°
Resolution:	1°

Operation

Sampling Rate:	1 per second
Data Output Rate:	1 per second
Sonic Frequency:	100 KHz
Threshold:	0
Delay Distance:	0
Dead Band Wind Direction:	None

PHYSICAL

Dimensions:	11 in (W) x 9.5 in (D) x 21 in (H)
Weight:	2.92 lbs
Material	
Sensor Arms:	316 stainless steel
Sensor Body:	6061-T6 anodized aluminum
Transducer Heads:	Silicone rubber and PVC

Options

1109H:	With heater
1109HW:	With heater and heater diagnostics