



# SONIC WIND SPEED & DIRECTION SENSOR

## FEATURES:

- **Solid-State, No Moving Parts**
- **High Accuracy & Response**
- **Virtually Maintenance Free**
- **NIST-Traceable, 16 Point Wind Tunnel Calibration**
- **Both Analog & Digital Outputs**
- **Optional Heater for Ice-Free Operation**

Climatronics' P/N 102642 Sonic Wind Sensor offers high performance at a moderate cost, rivaling that of traditional mechanical wind sensors.

This high accuracy and fine resolution wind sensor offers the user many years of reliable, maintenance free operation. Developed from experience gained through 35 years of research and design of micrometeorological wind instrumentation, Climatronics' P/N 102642 Sonic Wind Sensor is the future of wind measurement instrumentation. This sensor truly sets the standard for wind measurements and each sensor is supplied with a 16-point, NIST-traceable test certificate from our wind tunnel facility.

Standard outputs from the sensor are 0-5 VDC and RS-232C compatible digital data representing both wind speed and wind direction. Outputs such as 0-1 or 0-2.5 VDC and SDI-12 or RS-422/485 s are also available as factory installed options. Another available option is the external heater. This heater will extend the low temperature operating range of the sensor down to -50°C and assure trouble free operation during the most severe snow and/or icing conditions.

This sonic wind sensor can easily upgrade your existing mechanical sensor because it has the capability of emulating the output of virtually every wind sensor currently in operation. This eliminates any costly hardware or software changes to your existing data logger or computer data acquisition system, and allows you to start reaping the cost benefits of this maintenance-free sensor as soon as it is installed.



