

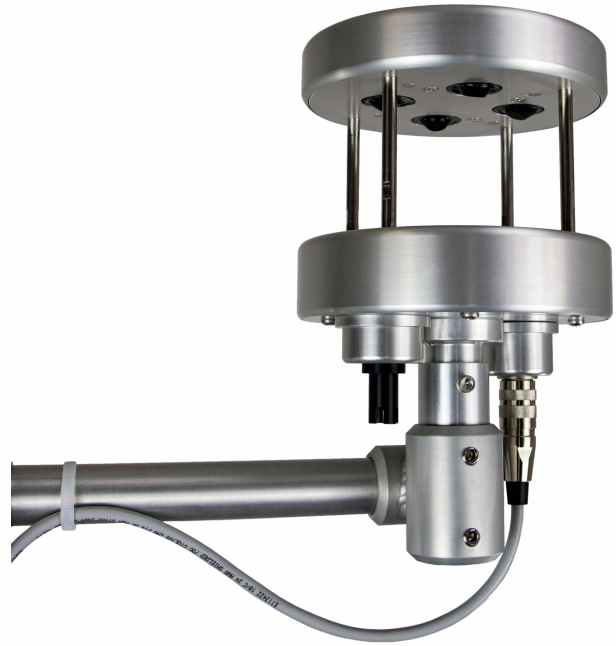
INDUSTRIAL GRADE SONIC ANEMOMETER**FEATURES:**

- No Moving Parts
- No Periodic Maintenance
- Digital & Analog Outputs
- Automatic North Alignment
- Field Configurable
- High Reliability, Portability, & Ruggedness
- Optional Ice-Free Operation

The 30.5 Sonic Anemometer is designed for ambient wind sensing in harsh environment industrial applications as a direct replacement for conventional mechanical propeller and cup anemometers, both in terms of performance and cost. The 30.5 requires no periodic maintenance or calibration.

This rugged sensor operates on the principle of measurement of the speed of sound in air. This all-new anemometer utilizes the latest solid-state technology, conserving power, size, and weight, with a power consumption of less than 0.5 W for the unheated version.

The 30.5 is compact, measuring only 6 inches in diameter and 11 inches high. The body is slender and aerodynamic, assuring minimal turbulence in the measured air stream. Measurement interference is further reduced by the transducers' location, positioned out of the measurement air stream. This placement also increases the sensor's reliability and longevity as dust, debris, snow, and rain will not directly impact the transducers.



This anemometer's small size and surface area allow it to be kept ice-free even at relatively low power levels. The 30.5H, the optional heated version, includes factory-installed heating elements.

The 30.5 is field configurable through a very user-friendly software interface, accessed through a serial port.

Standard digital outputs for the 30.5 Sonic Anemometer are RS-232C, RS-485, and MODBUS RTU, which can easily interface to Met One Instruments, Inc. or other commonly available data acquisition systems. A 0-1 VDC analog output is also available. With an integrated internal compass, the wind direction output for the sensor automatically calibrates to magnetic north.

PERFORMANCE

Wind Speed:

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Wind Direction:

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Mean Time Between Failures (MTBF)

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PHYSICAL

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SHIPPING

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* This accuracy is maintained when the sensor is within ±10 degrees of vertical.
 ** WMO Compliant Gust Reporting is achieved though a 3 second rolling data average.



Specifications are subject to change at any time.

