



The Advanced Ultrasonic Wind Sensor is a 2-axis, no-moving-parts anemometer that is ideal for general meteorological applications requiring accurate and reliable wind measurement.

The MT-WD0002 features

durable, corrosion-resistant construction with opposing pairs of ultrasonic transducers secured in a streamlined molded frame. It 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.

The maintenance-free MT-WD0002 is designed for quick and easy installation using a standard one-inch pole fitting and comes complete with all screw fittings, a mating connector, and comprehensive user manual.

Low power consumption makes this sensor an ideal solution in remote locations where power is at a premium. An electrical junction box fitted to the mounting bracket allows for convenient termination of all electrical cables.

This sensor is also available with thermostatically controlled heaters in the transducer heads for extended cold weather use. This model uses a low 24 VDC, 60 W max, to keep the sensor free of snow or freezing rain build-up.

Technical Specifications

Wind Speed

Range: 0-70 m/s (0 - 156 mph)

Accuracy: $\pm 2\%$ or 0.1 m/s (30 m/s)

Resolution: 0.01 m/s (0.02 knots)

Wind Direction

Range: 0 to 359° (no dead band)

Accuracy: $\pm 2^\circ$

Resolution: 1°

Power Requirement: 9-16VDC @ 30mA typical

Heater Power: 24VDC, 60W Max

Size: 34 cm x 70 cm including bracket

Weight: 0.7 kg (including bracket)

Ordering Options

Ultrasonic wind sensor

Ultrasonic wind sensor, heated

