

The Economical Ultrasonic Wind Sensor is a low cost, single-unit alternative to conventional cup/vane/propeller wind sensors. This sensor is based on an existing, highly successful ultrasonic technology and is ideal for either land-based or marine environments that demand economical wind sensing.

The MT-WD0016 is lightweight, yet robust and strong enough to withstand extreme conditions. Its construction and design resist damages that are common with more fragile cups, vanes, or propellers. The sensor is maintenance free, does not require expensive on-site calibration, and with its corrosion-free exterior, it is a true “fit and forget” unit.

The sensor includes a flexible design that allows for easy configuration and quick delivery of collected data, as well as customizable output rates and units of measurement. Ensuring accuracy and reliability, the MT-WD0016 automatically transmits an anemometer status code with each output to indicate its operating status.



Available in black or white.

Low power consumption enables the sensor to be used in remote locations where power is at a premium. An electrical junction box is fitted to the mounting bracket, allowing convenient termination of all electrical cables.

The unit comes complete with all screw fittings for quick and easy installation (standard pole fitting mount design), a mating marine grade connector, a comprehensive user manual, and a two year warranty.

Technical Specifications

Wind Speed

Range:	0-60 m/s (116 knots)
Accuracy:	±2% @ 12 m/s
Resolution:	0.01 m/s (0.02 knots)
Response Time:	0.25 seconds
Threshold:	0.01 m/s

Wind Direction

Range:	0 to 359° (no dead band)
Accuracy:	±3° @ 12 m/s
Resolution:	1°
Response Time:	0.25 seconds

User Settings

Output:	0.25, 0.5, 1, 2, or 4 outputs per second
Parameters:	Wind Speed & Dir or U & V vectors
Units of Measure:	m/s, knots, mph, kph, ft/min
Power Requirement:	10-28Vdc @ 28mA typical
Size:	280 mm x 380 mm including bracket
Weight:	1.1 kg (including bracket)

Ordering Options

Ultrasonic Wind Sensor

