

## VORTEX WIND SENSOR

Rugged wind sensor handles speeds from 5 to over 125 mph. Reed switch/magnet provides one pulse per rotation. Comes with exterior grade wire, custom lengths available on request. It is designed to provide very accuracy at an affordable price - with a sapphire/tungsten carbide bearing system for super low friction and long life.

The Vortex Wind Sensor includes the following major items:

- a high quality 3-cup rotor pressed on a stainless steel shaft
- a rugged Delrin body with bronze and Rulon bushings
- a flat aluminum mounting bracket with 2 holes
- reed switch and magnet providing one pulse per rotation
- 25 feet of exterior grade wire (more available on request)



Converting pulses to wind speed is simple using the following formula:

2.5 mph per Hz (1 Hz = 1 pulse/second)

The Vortex Wind Sensor has been tested successfully on various electronic devices with over 1,500 feet (500 m) of wire.

### Specification

SENSOR TYPE	3-Cup rotor Reed switch/magnet provide 1 pulse per rotation.
OUTPUT for D2 Rotor	1 pulse per rotation 2.5 mph per Hz
OUTPUT for Maximum Rotor	1 pulse per rotation 3.4 mph per Hz
ROTOR DIAMETER	approx. 5 in (~125 mm)
SPEED RANGE	approx. 3 mph to 125+ mph (~5 kph to over 200 kph)
MOUNTING BRACKET	Supplied with an aluminum mounting bracket with 2 holes for screws. Designed to be mounted on top of a pole or bracket. Custom brackets available up request (offset, for example)
WIRE	Standard length is 25 feet (8m) custom lengths available upon request - tested OK to over 1,500 feet The wire is provided stripped and unterminated 2 small wire nuts provided to connect to the display once installed
DISPLAY	None provided with the sensor only Formula for converting pulses to speed: 2.5 mph per Hz (2.5 mph per pulse/second)
POWER	No power required