

WIND SENSOR

INSPEED VORTEX WIND SENSOR

MODEL : WW25



Rugged wind sensor handles speeds from 5 to over 125 mph. Reed switch/magnet provides one pulse per rotation. Comes with exterior grade wire (click add to cart to see standard wire lengths), 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 is great for do-it-yourself projects, replacement, or additional parts. Mounting pole not included.

DESCRIPTION

The Vortex Wind Sensor is a rugged, proven anemometer. Supplied without any electronics, the Vortex sensor is ideal for "do-it-yourself" projects of all kinds.

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.

SENSOR TYPE	3-Cup rotor Reed switch/magnet provide 1 pulse per rotation.
OUTPUT for D2 Rotor (Shown in photo)	1 pulse per rotation 2.5 mph per Hz
OUTPUT for Maximum Rotor (Sold on products prior to ~May 2005)	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