

# Wind Speed Sensor

## Model: SEN-WS

The Model SEN-WS, 3-Cup Anemometer is a traditional type, sensitive sensor for horizontal wind speed measurement.

### Features

- Pulse output for wind speed sensor
- Constructed with lightweight and UV resistant plastic cups
- Mounting bracket installs on standard 1 inch pipe Supplied with an aluminum mounting bracket with 2 holes for screws.

### Applications

- wind resource assessment
- meteorological studies
- Velocities measurement in ducts



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Speed Range	approx. 0.3 m/s to 79 m/s
Accuracy	Better than 0.3 m/s
Resolution	0.1 m/s
Cable length	1.5m (extendable at extra cost)
Input	10-28 VDC, 30-60 VDC
Output	Frequency: 1.1176 m/s per Hz Voltage: 0 to 1, 2.5, 5, 10 V Current: 4-20mA, 0-20mA RS485-MODBUS RS232-ASCII

## Dimensions

- 3 cups of conical cross-section, 51 mm (2 inches) dia
- Rotor Diameter approx. 5 in (~125 mm)
- 81 mm (3.2 inches) height
- Overall height 250mm with aluminum mounting bracket

## Material

- Cups: one piece injection-molded black polycarbonate
- Body: housing is black ABS plastic
- Shaft: beryllium copper, fully hardened
- Bearing: modified Teflon, self-lubricating

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## Ordering Guide

### Output

	Model No.
1. For Frequency O/P:	SEN-WS-F
2. For Voltage O/P:	SEN-WS-V-x (x stands range; 1, 2.5, 5, 10 )
3. For Current O/P:	SEN-WS-C-x (x stands range; 4-20, 0-20)
4. For RS485 O/P:	SEN-WS-RS485
5. For RS232 ASCII O/P:	SEN-WS-RS232                      RS232-ASCII

**Please mention input Voltage range information along with your enquiry / Purchase order Customized Ranges / Resolution / Outputs of sensor are available at extra Cost**

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**Represented by**

**\*\*Drawing/specifications are subjected to change at any time without prior notice as per manufacturing suitability.**