

Wind Direction Sensor

Model: SEN-WD

Description

The Model SEN-WD is the electronic wind vane represents the latest technology in wind sensing: a balanced wind direction vane with a near-zero friction bearing and a high accuracy magnetic angle sensor to provide precision wind direction. Unique locking feature allows you to easily set "North" regardless of mounting orientation.

Features

- Zero dead band. Many potentiometer wind vanes have a dead spot of several degrees. This device has no dead band at all.
- Near-zero friction. Since the magnet is not in contact with the Hall sensor, there is no friction from the sensor.
- Virtually infinite life. Unlike potentiometers that wear out, the magnetic Hall sensor is non-contacting and should theoretically last forever.

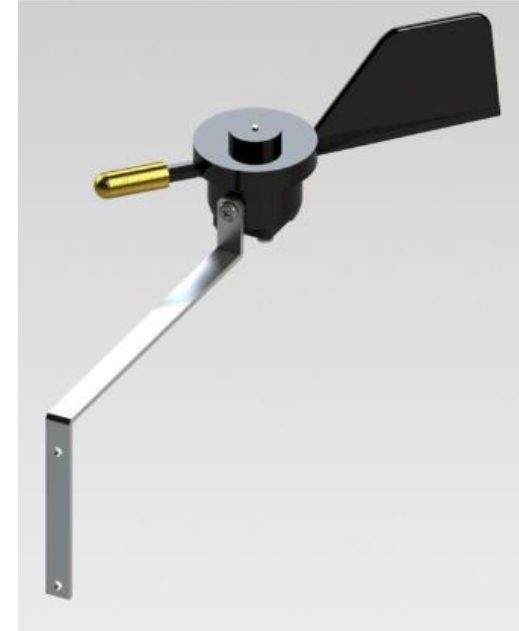
Range Full 360 degrees , zero deadband
Accuracy +/-0.3 to 0.5% of signal range
Resolution 12 bit or 0.025 degrees
Cable length: 1.5m (extendable at extra cost)
Input: 5 VDC, 10-28 VDC, 30-60 VDC

Applications:

- Windrose assessment
- Meteorological studies

Dimensions:

- Directional Vane approximately 8 inches
- Overall height 205mm with aluminium mounting bracket



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Output: Ratio-metric: 5% to 95% of 5V input
Voltage: 0 to 1, 2.5, 5, 10 V
Current: 4-20mA, 0-20mA
RS485-MODBUS
RS232-ASCII

Material:

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

Ordering Guide

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

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.**

