

MONITOR SENSORS

WD2 WD3 WD4

μSMART Wind Direction Sensor

The ***μSMART*** wind direction sensor is designed to accurately indicate the wind direction. The sensor ***Monibus*** interface allows the user to modify the sensor operation through the built-in sensor menus.

The sensor incorporates a microprocessor to provide accurate, repeatable readings, to optionally provide wind direction standard deviation and to allow optional analogue outputs. The robust mechanical design achieves a linear response over the measurement range and ensures a long operational life.

- Mechanical**
- Aluminium body and vane
 - White powder coated
 - Highest quality stainless steel bearings

Specifications

Range: 0 ... 360°

Accuracy: ± 1°

Operational: 1°C to +60°C 0% to 100%RH

- Output options:**
- ***Monibus*** serial data ASCII format
 - Voltage 0-1, 0-2.5 volts
 - 4-20mA (requires >12Vdc supply)
 - Frequency TTL pulse 2-10 Hz

Power Supply: 6-28 Vdc unregulated

Supply current: 6 mA active

Sensor weight: 520 grams

Dimensions: Overall height – 197 mm x 300 mm Ø

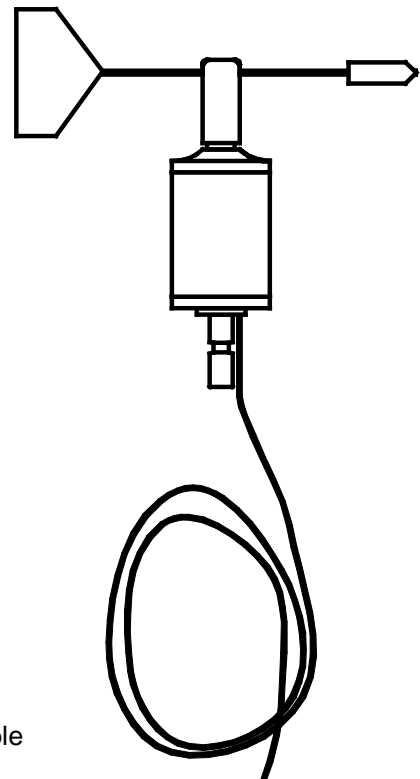
Mounting: 12 mm Ø spigot

dwg no: MSM-06-0038

Cable Details: Standard product has 1.2m of cable – other cable lengths may be ordered

Warranty: **12 months** – full details can be found in the Monitor Sensors standard warranty document ...

http://www.monitorsensors.com/docs/std_warranty.pdf



Order codes:

WD2	standard sensor	WD3	sine + cos	WD4	angle + std.
WD2-V1	0...1 volt output	WD3-V1V1	0...1 volt output	WD4-V1V1	0...1 volt output
WD2-V2	0...2.5 volt output	WD3-V2V2	0...2.5 volt output	WD4-V2V2	0...2.5 volt output
WD2-A4	4...20 mA output	WD3-A4A4	4...20 mA output	WD4-A4A4	4...20 mA output

info@monitorsensors.com

ph: 61-7-5428 5900

fx: 61-7-5495 2276

www.monitorsensors.com

Monitor Sensors
Unit 1, 42 Cessna Drive
Caboolture QLD 4500
AUSTRALIA