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 …

### Order codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WD2</td>
<td>standard sensor</td>
</tr>
<tr>
<td>WD2-V1</td>
<td>0…1 volt output</td>
</tr>
<tr>
<td>WD2-V2</td>
<td>0…2.5 volt output</td>
</tr>
<tr>
<td>WD2-A4</td>
<td>4…20 mA output</td>
</tr>
<tr>
<td>WD3</td>
<td>sine + cos</td>
</tr>
<tr>
<td>WD3-V1</td>
<td>0…1 volt output</td>
</tr>
<tr>
<td>WD3-V2</td>
<td>0…2.5 volt output</td>
</tr>
<tr>
<td>WD3-A4</td>
<td>4…20 mA output</td>
</tr>
<tr>
<td>WD4</td>
<td>angle + std.</td>
</tr>
<tr>
<td>WD4-V1</td>
<td>0…1 volt output</td>
</tr>
<tr>
<td>WD4-V2</td>
<td>0…2.5 volt output</td>
</tr>
<tr>
<td>WD4-A4</td>
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</tbody>
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