CMCP422VTS-IP Series
Loop Powered 4-20mA Velocity Sensor
IP68 Submersible Integral Cable

Features:
- Loop Powered 4-20mA Output
- 100mV/g Dynamic Output
- Velocity RMS or Peak
- Side Exit Submersible PUR Cable
- Interfaces Directly to PLC/DCS System
- 10Hz to 1kHz ISO Filtering (600 CPM to 60k CPM)
- -13 to 194°F (-25 to 90°C) Temperature Range
- Sealed to IP68

Typical Applications
Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses,
Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

Technical Performance
Mounted Base Resonance: 5 kHz Min.
Ranges: See Ordering Information Below
Frequency Response:
ISO 10816
Isolation: Base Isolated
Measurement Range: 50g peak
Transverse Sensitivity: Less than 5% with Faraday Cage

Electrical
Output Current: 4-20mA DC Proportional to RMS or Peak Velocity
Raw Output: 100mV/g +/-10%
Supply Voltage: 15 to 30 VDC
Settling Time: 2 Seconds
Output Impedance: Loop Resistance 600 Ohms Max @ 24VDC
Case Isolation: >10⁸ Ohms at 500 Volts

Environmental
Operating Temperature Range: -13 to 194°F (25 to 90°C)
Sealing: IP68
Maximum Shock: 5000 g

Mechanical
Case Material: Stainless Steel
Sensing Element: PZT/Compression Type
Mounting Torque: 5.9 ft. lbs (8Nm)
Weight: 6.5 Oz (185g)
Mounting: 1/4"-28 Captive Bolt
Mating Connector: PUR Cable, 4 Wires with Drain/Shield
**Dimensions**

![Diagram of dimensions]

**Typical Frequency Response**

![Graph of frequency response]

**Ordering Information:**

<table>
<thead>
<tr>
<th>CMCP422VTS-XX-X-XXX-MXX</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-01</td>
<td>1.00 In/Sec Full Scale (25.4mm/Sec)</td>
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<tr>
<td>-02</td>
<td>2.00 In/Sec Full Scale (50.8mm/Sec)</td>
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<tr>
<td>-C</td>
<td>RMS Detection</td>
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<tr>
<td>-R</td>
<td>Peak Detection</td>
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<tr>
<td>-P</td>
<td>2 Pin MS 5015 Connector</td>
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<tr>
<td>-M12</td>
<td>M12 Eurofast Connector</td>
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<tr>
<td>-I</td>
<td>Integral Braided Armor Cable (5 meters)</td>
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<tr>
<td>-IP</td>
<td>Integral PUR Cable, IP68 Submersible</td>
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<tr>
<td></td>
<td>Specify Cable Length in Meters After -IP</td>
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</tbody>
</table>

**Similar Products:**

- CMCP422VTS-XX-X-M12
  - M12 Eurofast Connector
- CMCP422VTS-XX-X-C
  - 2 Pin MS 5015 Connector