CMCP422VTS-M12 Series
Loop Powered 4-20mA Velocity Sensor, Side Exit M12 Connector

Features:
- Loop Powered 4-20mA Output
- Velocity RMS or Peak
- Side Exit 4 Pin M12 Eurofast Connector
- Interfaces Directly to PLC/DCS System
- Two Different Ranges Available
- 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

Technical Performance
Mounted Base Resonance: 5 kHz Min.
Ranges: See Ordering Information Below
Frequency Response: 10 Hz to 1 kHz ± 5%
600 CPM to 60k CPM
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
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 (Supplied with Sensor)
Mating Connector: 4 Pin M12 Cordset
Dimensions

- Pin 4 [0V Black]
- Pin 1 [No Connection]
- Pin 2 [2mA Power White]
- Pin 1 (Black) and Pin 2 (White) supply to the load
- Power Supply DC 4-20mA

Typical Frequency Response

<table>
<thead>
<tr>
<th>Sensitivity Change dB</th>
<th>Frequency Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>1</td>
</tr>
<tr>
<td>40%</td>
<td>10</td>
</tr>
<tr>
<td>30%</td>
<td>100</td>
</tr>
<tr>
<td>20%</td>
<td>1000</td>
</tr>
<tr>
<td>10%</td>
<td>10000</td>
</tr>
<tr>
<td>0%</td>
<td>6000</td>
</tr>
</tbody>
</table>

Ordering Information:

- CMCP422VTS-XX-X-XXX Description
- CMCP422VTS-XX-X-01 1.00 In/Sec Full Scale (25.4mm/Sec)
- CMCP422VTS-XX-X-02 2.00 In/Sec Full Scale (50.8mm/Sec)
- CMCP422VTS-XX-X-R RMS Detection
- CMCP422VTS-XX-X-P Peak Detection
- CMCP422VTS-XX-X-C 2 Pin MS 5015 Connector
- CMCP422VTS-XX-X-M12 M12 Eurofast Connector
- CMCP422VTS-XX-X-I Integral Braided Armor Cable (5 meters)

Similar Products:

- CMCP422VTS-XX-X-I Integral Armored Cable
- CMCP422VT-XX-X-C 2 Pin MS 5015 Connector