



Condition Monitoring Custom Products

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

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: -01 Model: 0-1.0 In/Sec RMS or Peak (0-25.4mm/Sec)
 -02 Model: 0-2.0 In/Sec RMS or Peak (0-50.8mm/Sec)
 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

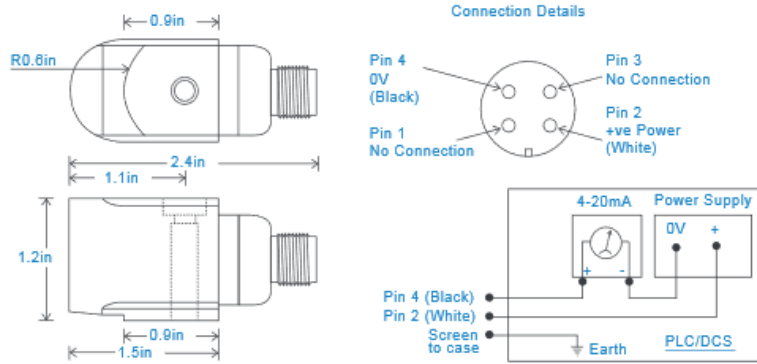
Environmental

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

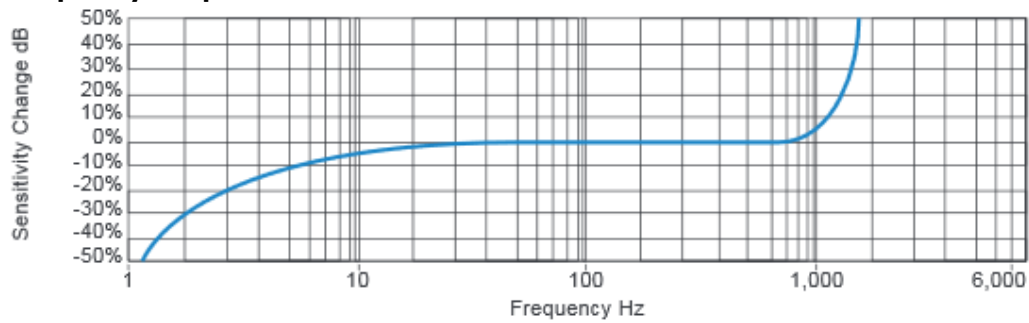
Mechanical

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



Typical Frequency Response



Ordering Information:

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