



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:	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
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:	>10 ⁸ Ohms at 500 Volts

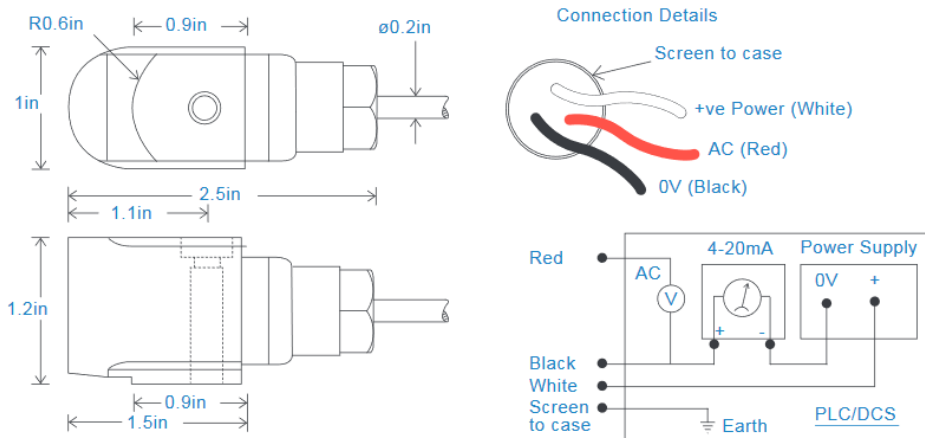
Environmental

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

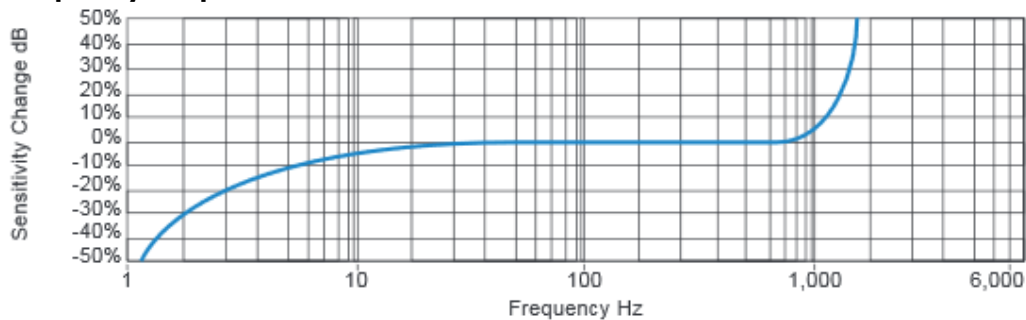
Mechanical

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



Typical Frequency Response



Ordering Information:

CMCP422VTS	-XX	-X	-XXX	-MXX
	-01			
	-02			
		-R		
		-P		
			-C	
			-M12	
			-I	
			-IP	

Description

1.00 In/Sec Full Scale (25.4mm/Sec)
 2.00 In/Sec Full Scale (50.8mm/Sec)
 RMS Detection
 Peak Detection
 2 Pin MS 5015 Connector
 M12 Eurofast Connector
 Integral Braided Armor Cable (5 meters)
Integral PUR Cable, IP68 Submersible
Specify Cable Length in Meters After -IP

Similar Products:



CMCP422VTS-XX-X-M12
M12 Eurofast Connector



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