



CMCP422VT-IP Series 4-20mA Velocity Sensor, Top Exit with Integral Submersible Cable



Features

- Loop Powered 4-20mA Output
- IP68 Submersible with Integral Cable
- Velocity RMS or Peak
- Interfaces Directly to PLC/DCS System
- -13 to +248 °F (-25 to +120 °C) Temperature Range
- 10 to 1,000 Hz ISO Standard Frequency Range
- Optional Dynamic Output (100mV/g)
- Lifetime Warranty



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
 Contact Factory for Specific Ranges

Dynamic Output: 100 mV/g +/-10%
 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

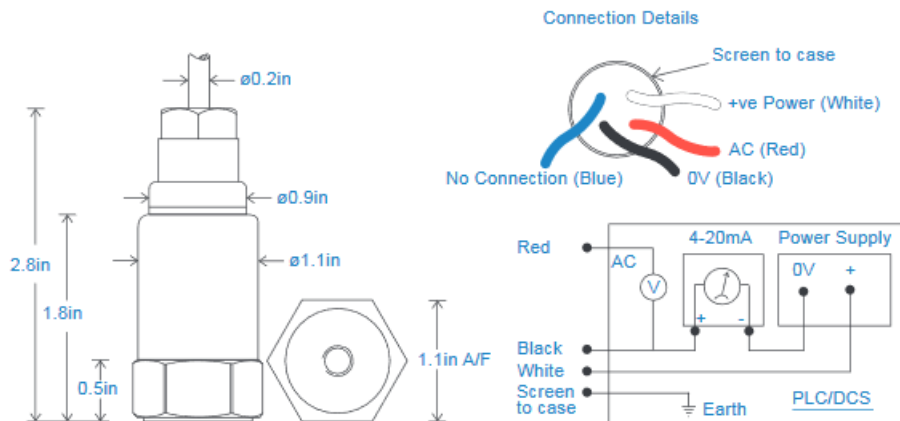
Environmental

Operating Temperature Range: -13 to +248 °F (-25 to +120°C)
 Sealing: IP68
 Maximum Shock: 5000 g

Mechanical

Case Material: 316 Stainless Steel
 Sensing Element: PZT/Compression Type
 Mounting Torque: 5.9 ft. lbs (8Nm)
 Weight: 5.2 Oz (150g)
 Mounting: 1/4"-28 UNF Quick Fit (Supplied with Sensor)
 Adapters Available, See CMCP237 (Metric) and CMCP238 (Imperial)

Dimensions/Connection Diagram



Ordering Information

CMCP422VT	-XX	-X	-XXX	Description
Imperial System	-01			Loop Powered 4-20 mA Velocity Sensor 1.00 In/Sec Full Scale (25.4 mm/s) 2.00 In/Sec Full Scale (50.8 mm/s)
Metric System	-10			10 mm/s Full Scale
	-20			20 mm/s Full Scale
	-25			25 mm/s Full Scale
	-50			50 mm/s Full Scale
	-100			100 mm/s Full Scale
		-R		RMS Detection
		-P		Peak Detection
			-IP	Integral IP68 Submersible Cable (5 Meters Long)

Example Part Number: CMCP422VT-01-R-IP10 Loop Powered 4-20 mA Velocity Sensor, Full Scale 1.0 Inch/Second, RMS Detection and 10-meter integral cable

Specify desired Cable Length in Meter after IP (ex. IP20 for 20 meter)

Similar Products



CMCP422VTS
Side Entry



CMCP422VT-XX-X-C
2 Pin MS 5015 Connector