



CMCP422VT-I Series Loop Powered 4-20mA Velocity Sensor, Top Exit Integral Cable



Features:

- Loop Powered 4-20mA Output
- Velocity RMS or Peak
- 5m (16') Braided Armor Integral Cable
- Interfaces Directly to PLC/DCS System
- Class I Division II Approved Standalone
- Class I Division I Approved with Barrier or Isolator
- 10Hz to 1kHz ISO Filtering (600 CPM to 60k CPM)
- -13 to 194°F (-25 to 90°C) Temperature Range
- Sealed to IP65

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 \pm 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: $>10^8$ Ohms at 500 Volts

Environmental

Operating Temperature Range: -13 to 194°F (25 to 90°C)
 Sealing: IP65
 Maximum Shock: 5000 g

Mechanical

Case Material: 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) Series
 Mating Connector: Braided Armor Cable, 2 Wire with Drain/Shield

Electrical Ratings:

$U_i=28V$; $I_i = 115mA$; $P_i = 0.65W$

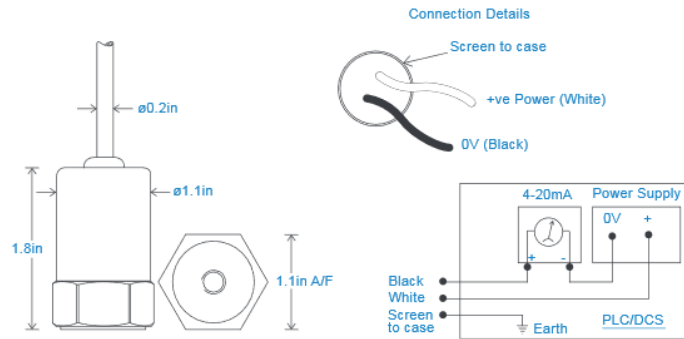
Hazardous Location Ratings:

Class I, II, III, Division 1, 2, Groups A-G, T6 -40°C to +60°C, IP65

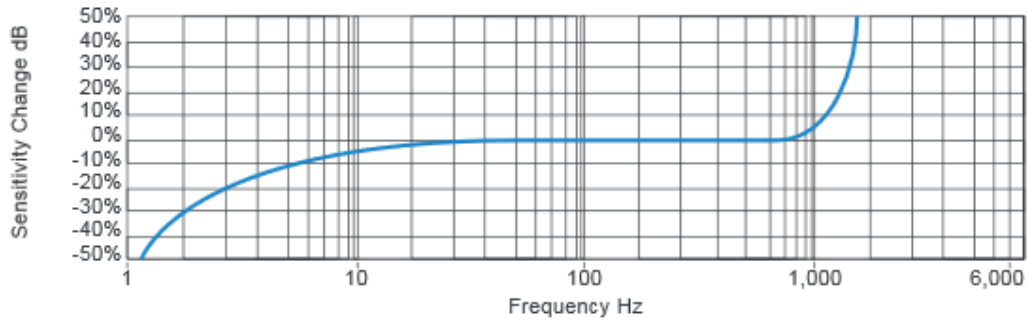
Class 1, Zone 0, AEx, ia, IIC, T6, Ga, -40°C to +60°C

Zone 20, AEx, ia IIIC, T80°C, IP65, Da, -40°C to +60°C

Dimensions



Typical Frequency Response



Ordering Information:

CMCP422VT	-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
				Specify Cable Length In Meters After -I (Ex. -I20 for 20 Meters)

Similar Products:



CMCP422VT-XX-X-M12
M12 Eurofast Connector



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