



CMCP422VT-D Series with Dynamic Output Loop Powered 4-20 mA Velocity Sensor, Top Entry 3 Pin MS 5015



Features

- Loop Powered 4-20 mA Output
- Velocity RMS or Peak Output
- 100 mV/g Dynamic Output
- Top Exit 3 Pin MS 5015 Connector
- Interfaces Directly to PLC/DCS System
- Different Ranges Available
- 10 Hz to 1.0 kHz ISO Filter (600 CPM to 60 kCPM)
- -13 to +248 °F (-25 to +120 °C) Temperature Range
- Sealed to IP68
- Class 1 Division 2 Approved

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.
Analog Output:	4-20 mA Between Pin A and B
Dynamic Output:	100 mV/g Between Pin B and C
Frequency Response:	10 Hz to 1.0 kHz ± 5% (600 CPM to 60 kCPM), ISO 10816
Isolation:	Base Isolated
Measurement Range:	50 g peak
Transverse Sensitivity:	Less than 5% with Faraday Cage

Electrical

Output Current:	4-20 mA DC Proportional to RMS or Peak Velocity
Supply Voltage:	15 to 30 VDC
Settling Time:	2 Second
Output Impedance:	Loop Resistance 600 Ohms Max @ 24VDC
Case Isolation:	>10 ⁸ 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:	Stainless Steel
Sensing Element:	PZT/Compression Type
Mounting Torque:	5.9 ft. lbs (8Nm)
Weight:	5.2 Oz (150g)
Mounting:	1/4"-28 UNF Mounting Stud (Supplied with Sensor) Adapters Available, See CMCP237 (Metric) and CMCP238 (Imperial)
Mating Connector:	3 Pin MIL 5015 MS Connector

Electrical Ratings:

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

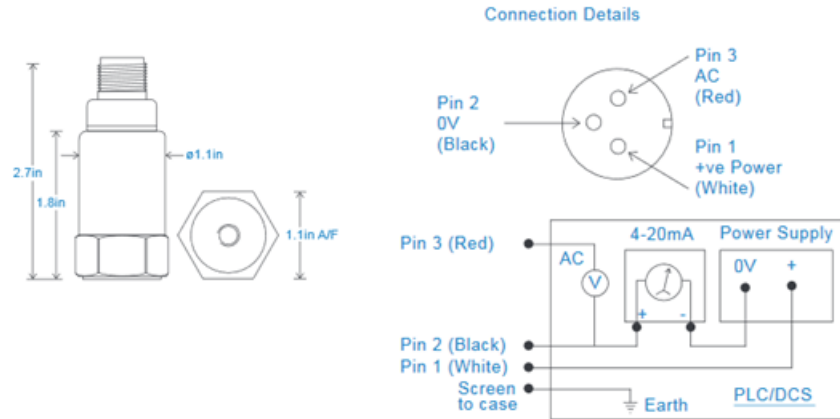
Hazardous Location Ratings:

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

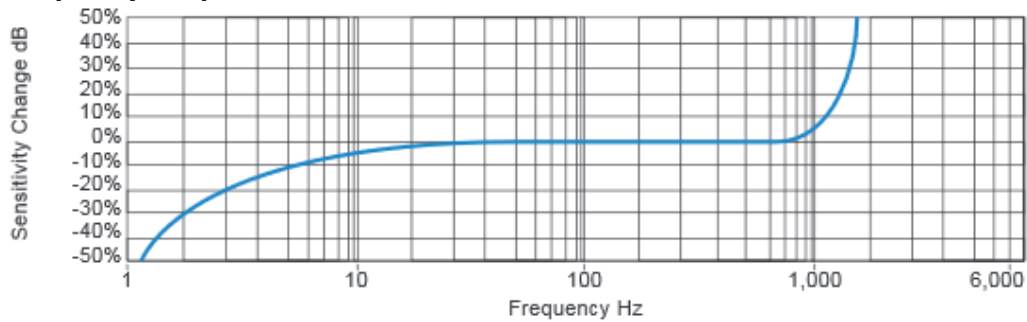
Class 1, Zone 0, AEx, ia, IIC, T6, Ga, -40°C to +60°C

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

Dimensions



Typical Frequency Response



Ordering Information

CMCP422VT	-XXD	-X	-XXX	Description
	-01D			1.00 In/Sec Full Scale (25.4 mm/s)
	-02D			2.00 In/Sec Full Scale (50.8 mm/s)
		-R		RMS Detection
		-P		Peak Detection
			-C	3 Pin MS 5015 Connector
			-M12	M12 Eurofast Connector
			-I	Integral Braided Armor Cable (5 meters)

Similar Products



CMCP422VT-XXD-X-I
Integral Armored Cable



CMCP422VT-XXD-X-M12
M12 Eurofast Connector