



CMCP422VTS-A Series

Loop Powered 4-20 mA Velocity Sensor

Side Exit Integral Hose Armored Cable



Features

- Loop Powered 4-20 mA Output
- Velocity RMS or Peak
- Stainless Steel Integral Hose Armored Cable
- Interfaces Directly to PLC/DCS System
- 10 Hz to 1.0 kHz ISO Filtering (600 CPM to 60k CPM)
- -13 to 248°F (-25 to 120°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 20816
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 @ 24 VDC
Case Isolation:	$>10^8$ Ohms at 500 Volts

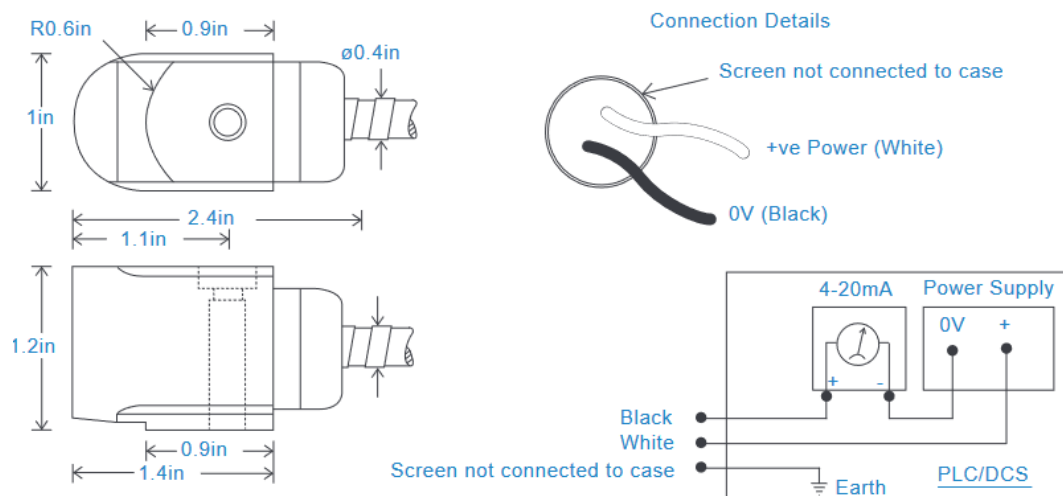
Environmental

Operating Temperature Range:	-13 to 248°F (25 to 120°C)
Sealing:	IP65
Maximum Shock:	5000 g

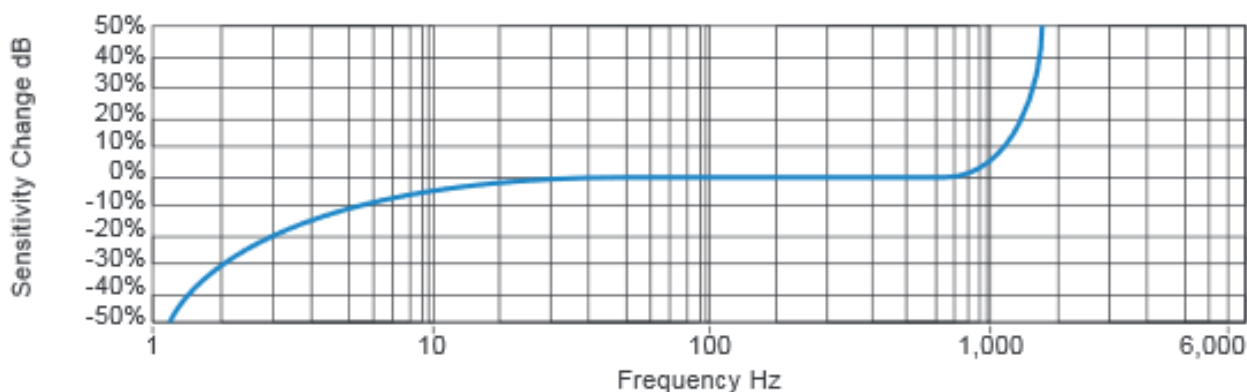
Mechanical

Case Material:	Stainless Steel
Sensing Element:	PZT/Compression Type
Mounting Torque:	5.9 ft. lbs (8 Nm)
Weight:	5.2 Oz (150 g)
Mounting:	1/4"-28 UNF or M8x1.25 Captive Bolt Mating
Connector:	Stainless Steel Hose Armor, 2 Wire with Drain/Shield

Dimensions



Typical Frequency Response



Ordering Information

CMCP422VTS	-XX	-X	-XXX	Description
	-01			1.00 In/Sec Full Scale (25.4 mm/s)
	-02			2.00 In/Sec Full Scale (50.8 mm/s)
		-R		RMS Detection
		-P		Peak Detection
			-C	2 Pin MS 5015 Connector
			-M12	M12 Eurofast Connector
			-A	Integral Hose Armored Cable with FEP Jacketed Cable
				Specify Cable Length In Meter After -A (Ex. -A20 for 20 Meter)

Note: Due to STI's continuous process improvement, specifications are subject to change without notice.