

CMCP422ATS-C Series
Loop Powered 4-20mA Acceleration Sensor, Side Exit Connector



Features

- Loop Powered 4-20mA Output
- Acceleration RMS or Peak
- Low Profile
- Side Exit: 2 Pin MS 5015 or 4 Pin M12 Connector
- Interfaces Directly to PLC/DCS System
- 10 Hz to 1.0 kHz ISO Filtering (600 CPM to 300 kCPM)
- -13 to +248 °F (-25 to +120 °C) Temperature Range
- Sealed to IP68 (IP67 with M12 Connector)



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:	10 kHz Min.
Ranges:	See Ordering Information Below
Frequency Response:	10 Hz to 5 kHz ± 5%
	600 CPM to 300k CPM
Isolation:	Base Isolated with Faraday Cage
Transverse Sensitivity:	Less than 5%

Electrical

Supply Voltage:	15 to 30 VDC
Settling Time:	2 Seconds
Output Current:	4-20mA DC Proportional to RMS or Peak Acceleration (g)
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 (IP67 with M12 Connector)
Maximum Shock:	5000 g

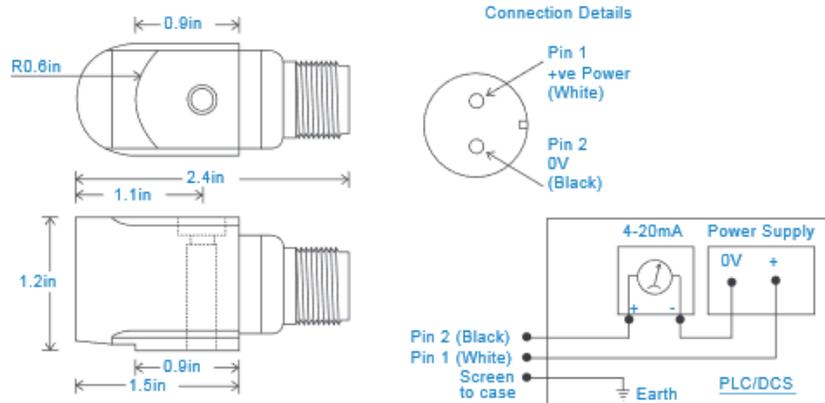
Mechanical

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 (Supplied with Sensor)
-C Mating Connector:	2 Pin MIL 5015 MS Connector
-M12 Mating Connector:	4 Pin M12 Eurofast Connector

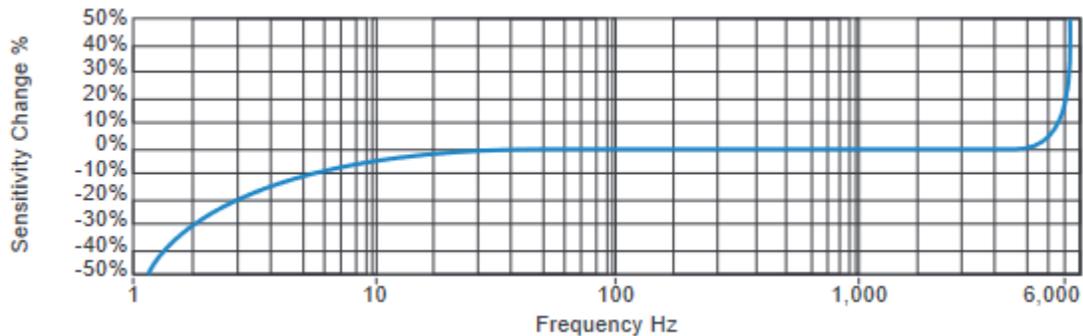


CMCP422ATS-XX-X-M12
M12 Eurofast Connector

Dimensions



Typical Frequency Response



Ordering Information

CMCP422ATS	-XX	-X	-XXX	Description
	-01			1 g Full Scale
	-02			2 g Full Scale
	-05			5 g Full Scale
	-10			10 g Full Scale
		-R		RMS Detection
		-P		Peak Detection
			-C	2 Pin MS 5015 Connector
			-M12	M12 Eurofast Connector

Example Part Number: CMCP422ATS-05-R-C Loop Powered 4-20 mA Acceleration Sensor, Side Exit, Full Scale 5.0 g, RMS Detection and 2 Pin MS 5015 Connector

Similar Products



CMCP422ATS-XX-X-I
Integral Armored Cable