



## CMCP422ATS-I Series Loop Powered 4-20mA Acceleration Sensor, Side Exit Integral Cable



### Features:

- Loop Powered 4-20mA Output
- Acceleration RMS or Peak
- Side Exit 5m (16') Braided Armor Integral Cable
- Interfaces Directly to PLC/DCS System
- Two Different Ranges Available
- 10Hz to 1kHz ISO Filtering (600 CPM to 300k CPM)
- -13 to 194°F (-25 to 90°C) Temperature Range
- Sealed to IP68

### 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: -05 Model: 0-5 g's RMS or Peak  
 -10 Model: 0-10 g's RMS or Peak  
 Frequency Response: 10 Hz to 5 kHz ± 5%  
 600 CPM to 300k CPM  
 ISO 10816  
 Isolation: Base Isolated with Faraday Cage  
 Transverse Sensitivity: Less than 5%

### Electrical

Output Current: 4-20mA DC Proportional to RMS or Peak Acceleration (g)  
 Supply Voltage: 15 to 30 VDC  
 Settling Time: 2 Seconds  
 Output Impedance: Loop Resistance 600 Ohms Max @ 24VDC  
 Case Isolation: >10<sup>8</sup> Ohms at 500 Volts

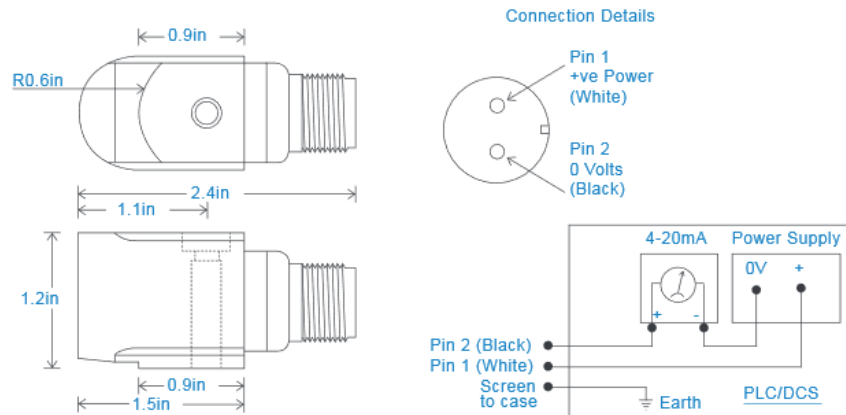
### Environmental

Operating Temperature Range: -13 to 194°F (25 to 90°C)  
 Sealing: IP68  
 Maximum Shock: 5000 g

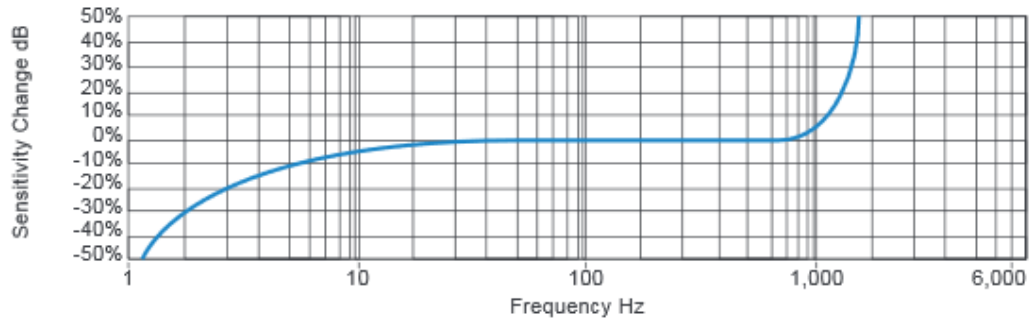
### Mechanical

Case Material: Stainless Steel  
 Sensing Element: PZT/Compression Type  
 Mounting Torque: 5.9 ft. lbs (8Nm)  
 Weight: 6.5 Oz (185g)  
 Mounting: 1/4"-28 Captive Bolt  
 Mating Connector: 5 Meter (16') Braided Armor Cable, 2 Wire with Drain/Shield

## Dimensions



## Typical Frequency Response



## Ordering Information:

CMCP422ATS	-XX	-X	-XXX	Description
	-05			5 g's Full Scale
	-10			10 g's Full Scale
		-R		RMS Detection
		-P		Peak Detection
			-C	2 Pin MS 5015 Connector
			-M12	M12 Eurofast Connector
			<b>-I</b>	<b>Integral Braided Armor Cable (5 meters)</b>

## Similar Products:



**CMCP422ATS-XX-X-M12**  
M12 Eurofast Connector



**CMCP422ATS-XX-X-C**  
2 Pin MS 5015 Connector