Condition Monitoring Custom Products

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

Features

- Loop Powered 4-20 mA Output
- Acceleration RMS or Peak
- Side Exit 5 m (16') Braided Armor Integral Cable
- Interfaces Directly to PLC/DCS System
- Four Different Ranges Available
- 10 Hz to 1.0 kHz Filtering (600 CPM to 300 kCPM)
- -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:	10 kHz Min.
Ranges:	See Ordering Information Below
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
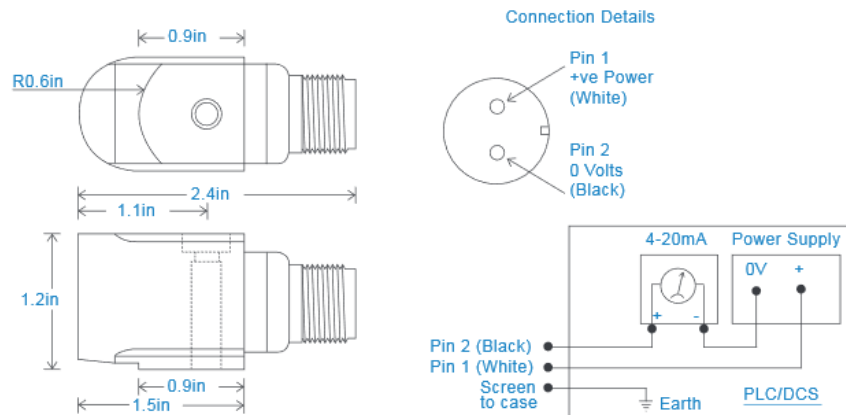|	
Output Current:	4-20mA DC Proportional to RMS or Peak Acceleration (g)
Supply Voltage:	15 to 30 VDC
Settling Time:	2 Seconds
Output Impedance:	Loop Resistance 600 Ohms Max @ 24VDC
Case Isolation:	>10^8 Ohms at 500 Volts

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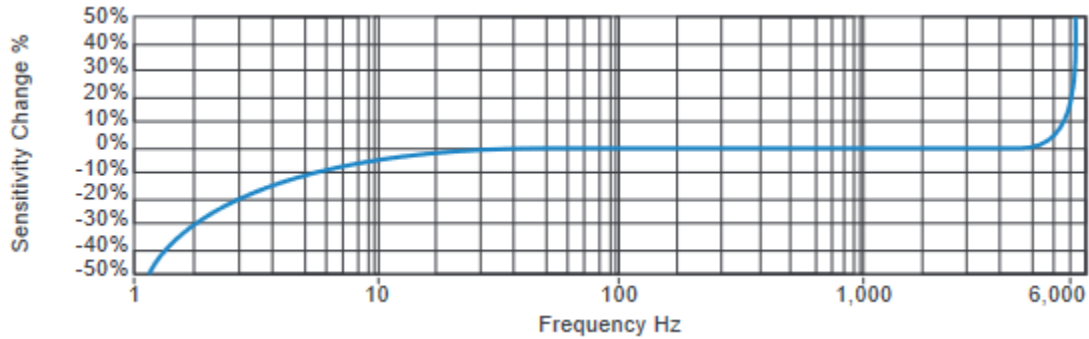|	
Operating Temperature Range:	-13 to +248 °F (-25 to +120 °C)
Sealing:	IP65
Maximum Shock:	5000 g

Mechanical
Case Material:	Stainless Steel
Sensing Element:	PZT/Compression Type
Mounting Torque:	5.9 ft. lbs (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

R0.6in

0.9in

Connection Details

Pin 1
+ve Power
(White)

Pin 2
0 Volts
(Black)

2.4in

1.1in

1.2in

0.9in

1.5in

4-20mA   Power Supply

0V   +

Pin 2 (Black)
Pin 1 (White)
Screen
to case   Earth   PLC/DCS

Typical Frequency Response

Ordering Information

CMCP422ATS	-XX	-X	-XXX		Description
	-01				1 g Full Scale
	-02				2 g's Full Scale
	-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
			-I		**Integral Braided Armor Cable, 5 m (16')**

Specify desired Cable Length in Meter after 'I' (for example I20 for 20 meter)

Similar Products

CMCP422ATS-XX-X-M12
M12 Eurofast Connector

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