



CMCP782A Economical Top Entry Accelerometer, 2 Pin MS 5015



Features

- General Purpose Top Entry Accelerometer
- 100 mV/g $\pm 10\%$
- 130°C Max Temperature Range
- ± 60 g Dynamic Range
- 2 Pin MS 5015 Connector
- CE Approved
- $\frac{1}{4}$ "-28 UNF and M8x1.25 Mounting Studs Included
- 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:	30 kHz (nominal)
Sensitivity:	100 mV/g $\pm 10\%$ Nominal 80 Hz at 22°C
Frequency Response:	1.5 Hz to 10 kHz $\pm 10\%$ (90 cpm to 600 kcpm) 0.8 Hz to 12 kHz ± 3 dB (48 cpm to 720 kcpm)
Isolation:	Base Isolated
Measurement Range:	± 60 g
Transverse Sensitivity:	Less than 5%

Electrical

Supply Voltage:	18-30 VDC
Current Range:	0.5 to 8 mA
Bias Voltage:	10-12 VDC
Electrical Noise:	0.1 mg Max.
Settling Time:	2 Second
Output Impedance:	200 Ohm Max.
Case Isolation:	$>10^8$ Ohm at 500 Volt

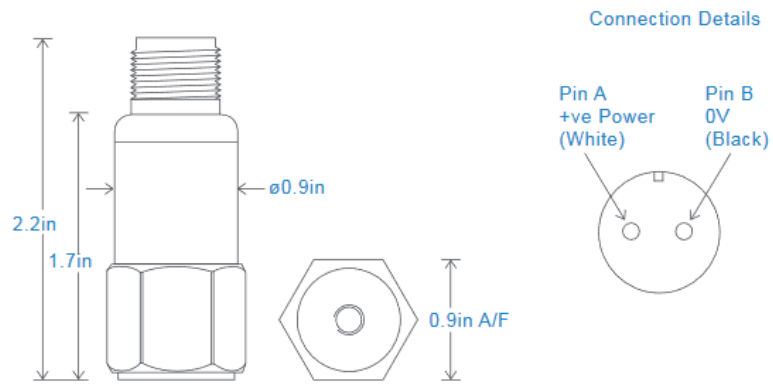
Environmental

Operating Temperature Range:	-67 to 266°F (-55 to 130°C)
Sealing:	IP68
Maximum Shock:	5000 g
Approvals:	CE Approved

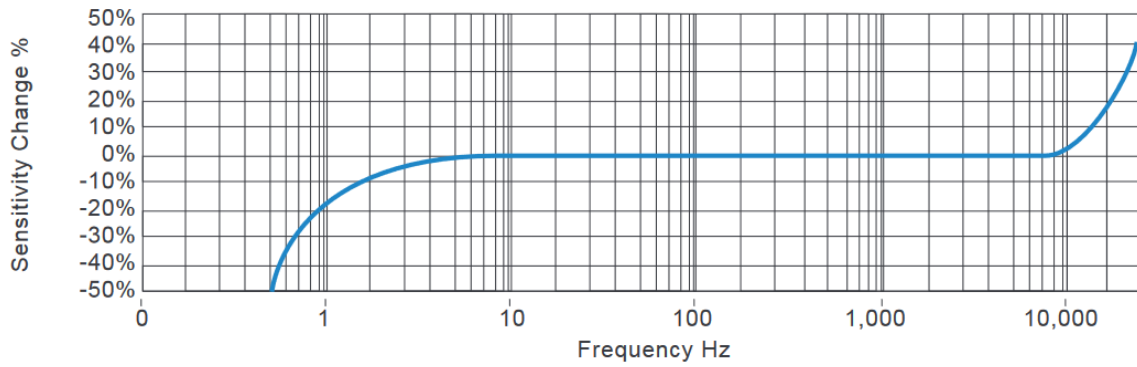
Mechanical

Case Material:	Stainless Steel
Sensing Element/Construction:	PZT/Compression
Mounting Torque:	5.9 ft-lbs (8 Nm)
Weight:	4.9 Oz (139 gram)
Mating Connector:	2 Pin MS 5015
Recommended Cable Assembly:	CMCP602L Series
Mounting Thread:	$\frac{1}{4}$ "-28 UNF Female $\frac{1}{4}$ "-28 UNF and M8x1.25 Mounting Studs Provided

Dimensions



Frequency Response



Ordering Information

CMCP786A

Economical Top Entry Accelerometer, 100 mV/g, 2 Pin MS 5015 Connector

Similar Products



**Economical Side Exit
MS Connector**
CMCP783A