



STI Vibration Monitoring Inc.

Vibration Monitoring and Machine Protection Systems

www.stiweb.com

Condition Monitoring Custom Products

CMCP783A

Economical Side Entry Accelerometer, 2 Pin MS 5015



Features:

- General Purpose Side Entry Accelerometer
- 100 mV/g $\pm 10\%$
- 130°C Max Temperature Range
- ± 60 g Dynamic Range
- 2 Pin MS 5015 Connector
- CE Approved
- 1/4"-28 UNF or M8x1.25 Captive Mounting Bolt
- 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:	21 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
Electrical Noise:	0.1 mg Max.
Current Range:	0.5 to 8 mA
Bias Voltage:	10-12 VDC
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

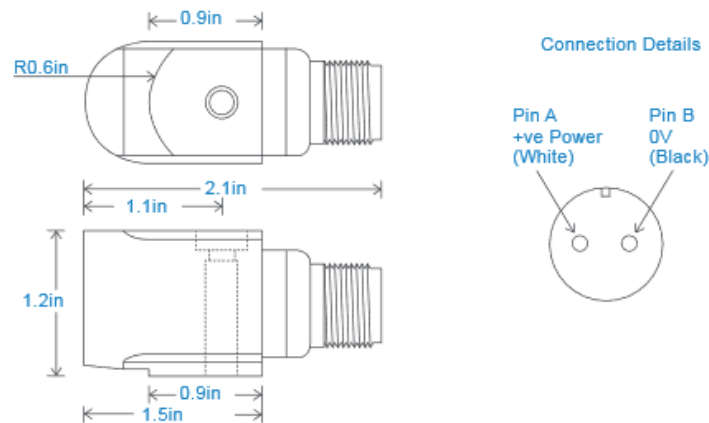
Mechanical

Case Material:	Stainless Steel
Sensing Element/Construction:	PZT/Compression
Mounting Torque:	5.9 ft-lbs (8 Nm)
Weight:	6.5 Oz (185 gram)
Mating Connector:	2 Pin MS 5015
Recommended Cable Assembly:	CMCP602L Series
Mounting Thread:	
CMCP783A:	1/4"-28 UNF Captive Bolt Supplied with Sensor
CMCP7853-M8:	M8x1.25 Captive Bolt Supplied with Sensor

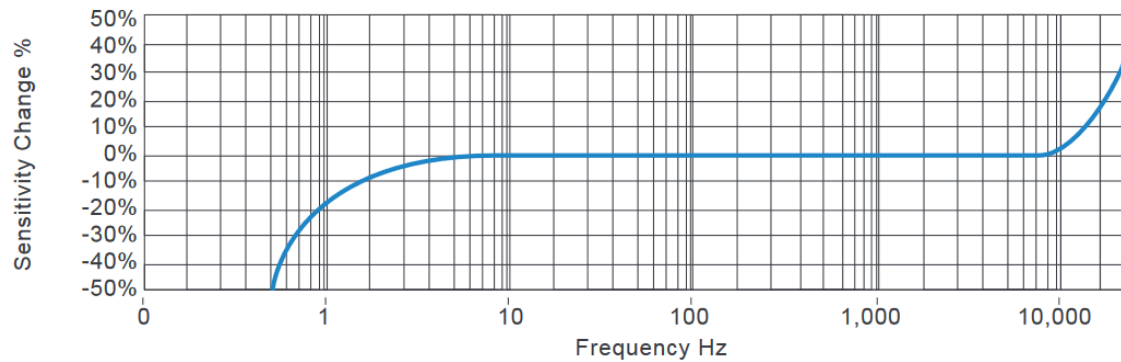
1010 East Main Street
League City, Texas 77573
USA

Phone: +1 (281) 334-0766
Fax: +1 (281) 334-4255
SalesSupport@stiweb.com

Dimensions



Frequency Response



Ordering Information

CMCP783A Economical Side Entry Accelerometer, 100 mV/g, 2 Pin MS 5015, 1/4-28 UNF Mount
CMCP783A-M8 Economical Side Entry Accelerometer, 100 mV/g, 2 Pin MS 5015, M8x1.25 Mount

Similar Products



**Economical
Top Entry
MS Connector**
CMCP782A