

Vibration Monitoring and Machine Protection Systems

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CMCP786A General Purpose Top Entry Accelerometer, 2 Pin MS 5015



Features:

- General Purpose Top Entry Accelerometer
- 100mV/g ±10%
- 140°C Max Temperature Range
- ±80g Dynamic Range
- 2 Pin MS 5015 Connector
- Class 1 Division 2 Approved
- Class 1 Division 1 Approved with IS Barrier or Isolator
- 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: Sensitivity: Frequency Response:

Isolation: Measurement Range: Transverse Sensitivity:

Electrical

Electrical Noise: Current Range: Bias Voltage: Settling Time: Output Impedance: Case Isolation:

Environmental

Operating Temperature Range: Sealing: Maximum Shock: Approvals:

Mechanical

Case Material: Sensing Element: Mounting Torque: Weight: Mating Connector: Mounting Thread: 22 kHz (nominal) 100mV/g ±10% Nominal 80Hz at 22°C 1.0 Hz to 10 kHz ±10% (60cpm to 600kcpm) 0.8 Hz to 12 kHz ±3dB (48cpm to 720kcpm) Base Isolated ±80 g Less than 5%

0.1mg max 0.5mA to 8mA 10-12 Vdc 1.5 Second 200 Ohms max. >10⁸ Ohms at 500 Volts

-67 to 284°F (-55 to 140°C) IP68 5000 g CE Approved CSA/UL Class 1 Division 2, Groups B, C and D

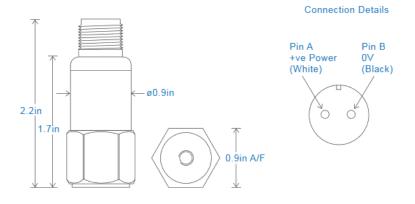
Stainless Steel PZT/Compression 5.9ft. lbs (8Nm) 4.9 Oz (139 grams) 2 Pin MS 5015 1/4-28 UNF and M8x1.25 Mounting Studs Provided



Hazardous Location Ratings

Class I, II, III, Division 1 and 2, Groups A-G, T4, -55°C to + 110°C IP65 Class 1, Zone 0, AEx, ia, IIC, T4, Ga, -55°C to + 110°C Zone 20, AEx, ia, IIIC, T130°C, IP65, Da, -55°C to + 110°C Class I, II, III, Division 1, 2, Groups A-G, T6, -55°C to + 110°C Zone 20, AEx, ia, IIIX, T80°C, IP65, DA, -55°C to + 110°C

Dimensions



Ordering Information:

CMCP786A General Purpose Top Entry Accelerometer, 100mV/g, 2 Pin MS 5015 Connector

Alternative Sensitivity Ordering Information:

CMCP786A-XXX Specify Sensitivity in Place of -XXX 50mV/g (-050), 250mV/g (-250) and 500mV/g (-500)

Recommended Cable Assemblies:

General Purpose TPE Jacketed Cable (Rated to 120°C)CMCP602L Series2 Socket MS Connector, Locking Collar, IP67CMCP602LST Series2 Socket MS Connector, Push On Seal Tight, IP68

High Temperature FEP Jacketed Cable (Rated to 200°C)CMCP602H Series2 Socket MS Connector, Locking Collar, IP67CMCP602HST Series2 Socket MS Connector, Push On Seal Tight, IP68

Similar Products



M12 Connector CMCP786A-M12



Submersible CMCP786A-IP



Integral Armored Cable CMCP786A-I