

Vibration Monitoring and Machine Protection Systems

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CMCP788T Premium Dual Output Top Entry Accelerometer with Temperature

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Features:

- Dual Output Accelerometer with Temperature
- 100mV/g ±5% and 10mV/°C (0-150°C)
- 150°C Max Temperature Range
- ±80g Dynamic Range
- 3 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 Provided
- 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 (Acceleration): Sensitivity (Temperature): Frequency Response:

Isolation: Measurement Range: Transverse Sensitivity:

Electrical

Condition Monitoring Custom Products

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: 27 kHz (nominal) 100mV/g ±5% Nominal 80Hz at 22°C 10mV/°C (0-150°C Range) 1.5 Hz to 12 kHz ±5% (90cpm to 720kcpm) 1.0 Hz to 13 kHz ±10% (60cpm to 780kcpm) 0.8 Hz to 15 kHz ±3dB (48cpm to 900kcpm) Base Isolated ±80 g Less than 5%

0.1mg max 0.5mA to 8mA 10-12 Vdc 1 Second 200 Ohms max. >10⁸ Ohms at 500 Volts

-67 to 302°F (-55 to 150°C) IP68 5000 g CE Approved CSA/UL Class 1 Division 2, Groups B, C and D

Stainless Steel PZT/Shear 5.9ft. lbs (8Nm) 4.9 Oz (139 grams) 3 Pin MS 5015 Connector 1/4-28 UNF and M8x1.25 Mounting Stud Provided

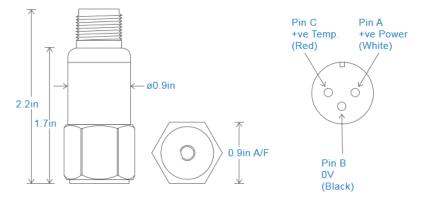


Hazardous Location Ratings

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

Connection Details



Ordering Information:

CMCP788T Premium Dual Output Accelerometer with Temperature, Top Entry 3 Pin MS Connector

Recommended Cable Assemblies:

 General Purpose TPE Jacketed Cable (Rated to 120°C)

 CMCP603L Series
 3 Socket MS Connector, Locking Collar, IP67

 CMCP603LST Series
 3 Socket MS Connector, Push On Seal Tight, IP68

High Temperature FEP Jacketed Cable (Rated to 200°C)	
CMCP603H Series	3 Socket MS Connector, Locking Collar, IP67
CMCP603HST Series	3 Socket MS Connector, Push On Seal Tight, IP68

Similar Products



M12 Connector CMCP786T-M12



Submersible CMCP786T-IP



Integral Armored Cable CMCP786T-I