

# Vibration Monitoring and Machine Protection Systems

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# CMCP1100ST Series Side Entry Low Cost Compact Accelerometer with Temperature

# Features:

- Low Cost Compact Accelerometer
- 100mV/g ±5%
- 0.32Hz to 10kHz Frequency Response
- 10mV/°C Temperature Output
- Waterproof, Epoxy Encapsulated
- Integral TPE Jacketed Cable
- UV and Oil Resistant
- Stainless Steel Case
- 5m, 10m and 20m Stocked Cable Lengths

## **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:

Temperature Output: Isolation: Measurement Range: Transverse Sensitivity:

## Electrical

Excitation Voltage: 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: Cable Jacket: Cable Jacket: Cable Length: Cable Temperature Rating: Mounting Thread: >25 kHz (nominal) 100mV/g ±5% Nominal 80Hz at 22°C 1.5 Hz to 8 kHz ±10% (90cpm to 480kcpm) 0.32 Hz to 10 kHz ±3dB (19.2cpm to 600kcpm) 10mV/°C Case Isoalted ±50 g Less than 5%

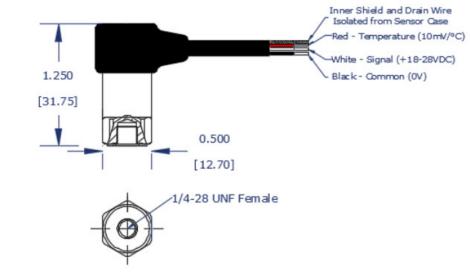
18 to 28 VDC 0.1mg max 2 to 20mA 8-12 Vdc 2.0 Second <100 Ohms max. >10<sup>8</sup> Ohms at 500 Volts

-65 to 185°F (-54 to 85°C) Epoxy Encapsulated 7,000 g CE Approved

Stainless Steel PZT/Shear 5.9ft. lbs (8Nm) 2.5 Oz (70.7 grams) TPE See Ordering Information 120°C 1/4-28 UNF



# **Dimensions and Wiring**



## **Ordering Information:**

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CMCP1100ST	-XX	-XX	-XX	Description
	-05			5 Meter (16') Integral Cable
	-10			10 Meter (32') Integral Cable
	-20			20 Meter (64') Integral Cable
		-00		Flying Leads (Bare Wire)
			-00	Standard TPE Cable
			-03	TPE Jacketed Cable with Stainless Steel Braided Armor
			00	

Example Part Number: CMCP1100ST-05-00-00 (5 Meter Cable, Flying Leads, Standard Cable)

# **Similar Products**



M12 Connector CMCP786A-M12



Submersible CMCP786A-IP



Integral Armored Cable CMCP786A-I