

Vibration Monitoring and Machine Protection Systems

1010 East Main Street, League City, TX 77573 Phone:281.334.0766 Fax: 281.334.4255 www.stiweb.com / www.stiwebstore.com

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%

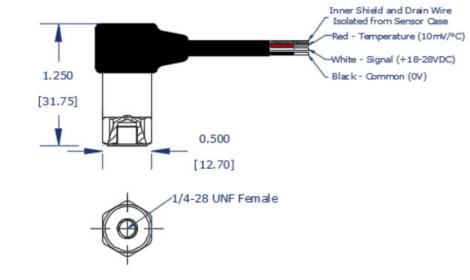
18 to 28 VDC 0.1mg max 2 to 20mA 8-12 Vdc 2.0 Second <100 Ohms max. >10⁸ Ohms at 500 Volts

-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