



Condition Monitoring Custom Products

CMCP1100S Series Side Entry Low Cost Compact Accelerometer with Integral Cable



Features:

- Low Cost Compact Accelerometer
- 100mV/g ±5%
- 0.32Hz to 10kHz Frequency Response
- 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: >25 kHz (nominal)
 Sensitivity: 100mV/g ±5% Nominal 80Hz at 22°C
 Frequency Response: 1.5 Hz to 8 kHz ±10% (90cpm to 480kcpm)
 0.32 Hz to 10 kHz ±3dB (19.2cpm to 600kcpm)
 Isolation: Case Isoalted
 Measurement Range: ±50 g
 Transverse Sensitivity: Less than 5%

Electrical

Excitation Voltage: 18 to 28 VDC
 Electrical Noise: 0.1mg max
 Current Range: 2 to 20mA
 Bias Voltage: 8-12 Vdc
 Settling Time: 2.0 Second
 Output Impedance: <100 Ohms max.
 Case Isolation: >10⁸ Ohms at 500 Volts

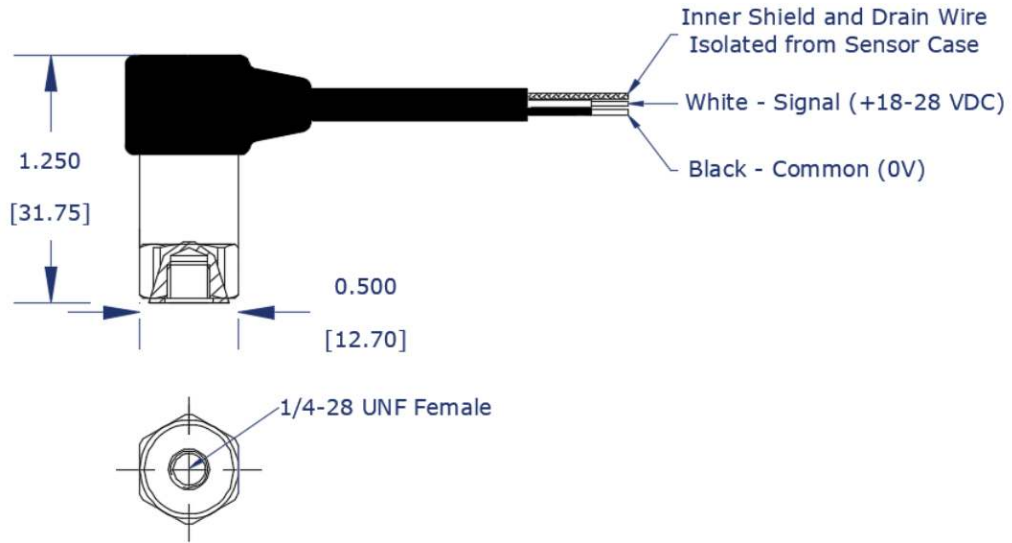
Environmental

Operating Temperature Range: -65 to 185°F (-54 to 85°C)
 Sealing: Epoxy Encapsulated
 Maximum Shock: 7,000 g
 Approvals: CE Approved

Mechanical

Case Material: Stainless Steel
 Sensing Element: PZT/Shear
 Mounting Torque: 5.9ft. lbs (8Nm)
 Weight: 2.5 Oz (70.7 grams)
 Cable Jacket: TPE
 Cable Length: See Ordering Information
 Cable Temperature Rating: 120°C
 Mounting Thread: 1/4-28 UNF

Dimensions and Wiring



Ordering Information:

CMCP1100S	-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)
		-01		Female BNC Connector
		-02		Male BNC Connector
			-00	Standard TPE Cable
			-03	TPE Jacketed Cable with Stainless Steel Braided Armor

Example Part Number: CMCP1100S-05-00-00 (5 Meter Cable, Flying Leads, Standard Cable)

Similar Products



M12 Connector
CMCP786A-M12



Submersible
CMCP786A-IP



Integral Armored Cable
CMCP786A-I