



CMCP1100CT Series Low Cost Compact Accelerometer with Temperature Output



Features:

- Low Cost Compact Accelerometer
- 100mV/g ±5%
- 0.32Hz to 10kHz Frequency Response
- 10mV/°C Temperature Output
- 3 Pin M8 Connector
- Waterproof, Epoxy Encapsulated
- UV and Oil Resistant
- Stainless Steel Case



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)
 Temperature Output: 10mV/°C
 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

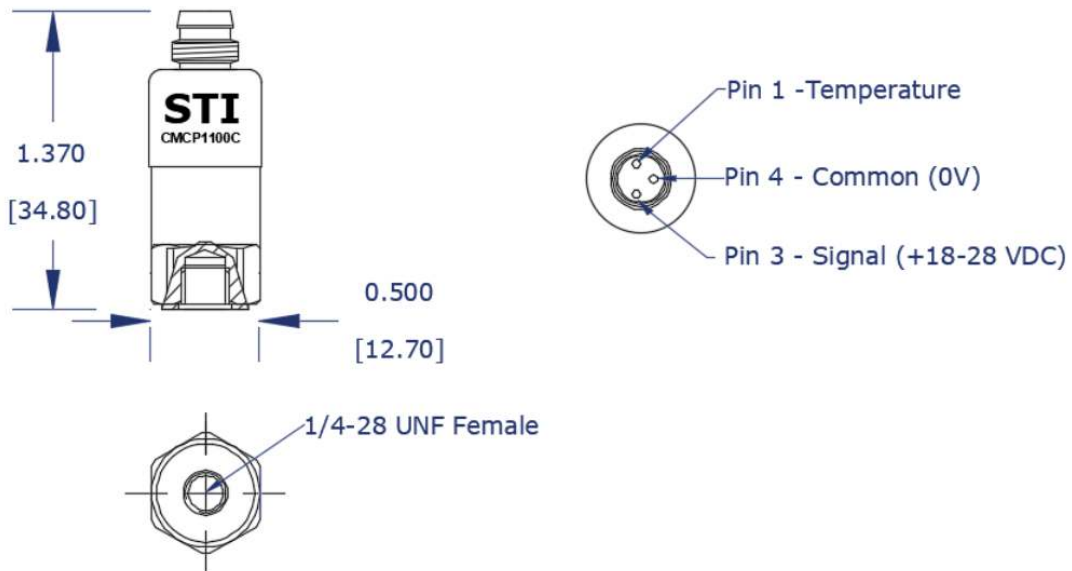
Environmental

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)
 Connector: 3 Pin M8

Dimensions and Wiring



Ordering Information:

CMCP1100CT Low Cost Compact Accelerometer with Temperature and M8 Connector

Recommended Cable Assemblies:

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

CMCP603S Series 3 Socket M8 Connector Cable Assembly, Various Cable Lengths

Similar Products



M12 Connector
CMCP786A-M12



Submersible
CMCP786A-IP



Integral Armored Cable
CMCP786A-I