



CMCP1100C Series Low Cost Compact Accelerometer with M8 Connector



Features:

- Low Cost Compact Accelerometer
- 100mV/g $\pm 5\%$
- 0.32Hz to 10kHz Frequency Response
- 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 $\pm 5\%$ Nominal 80Hz at 22°C
Frequency Response:	1.5 Hz to 8 kHz $\pm 10\%$ (90cpm to 480kcpm) 0.32 Hz to 10 kHz $\pm 3dB$ (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:	>10 ⁸ Ohms at 500 Volts

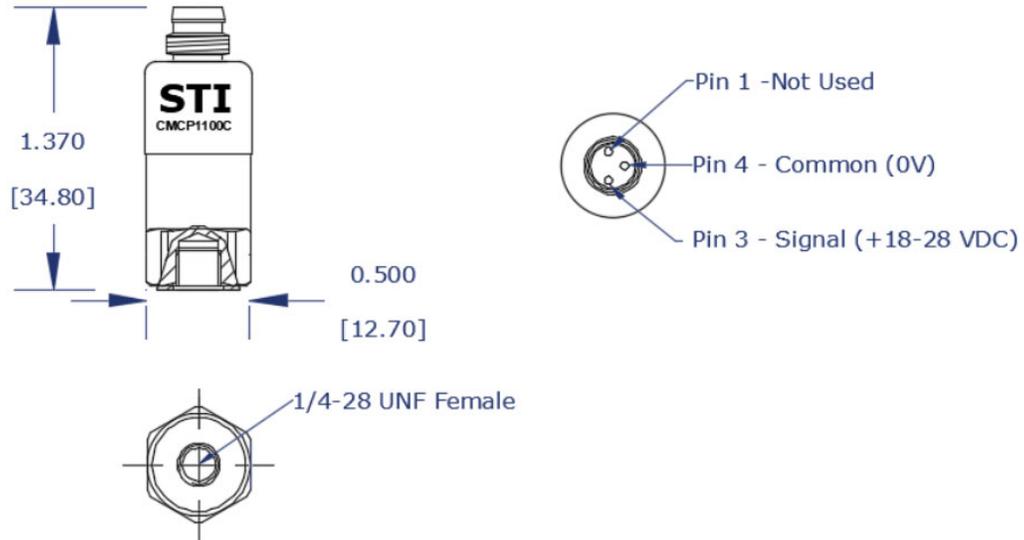
Environmental

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:

CMCP1100C Low Cost Compact Accelerometer with 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