STI Vibration Monitoring Inc.

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

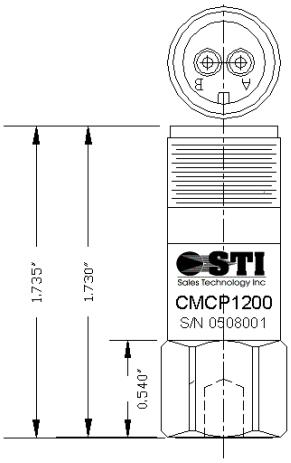
Condition Monitoring Custom Products

CMCP-1200
General Purpose Industrial Accelerometer

Features

- Small Size Case, 0.6250" x 1.735"
- 100 mV/g Sensitivity
- 0.32 Hz to 10 KHz Frequency Range (± 3 dB)
- 5/8" Wrench Flats
- 1/4"x28 UNF Standard Mount
- MIL Spec C-5015 Industry Standard 2-Pin Connector

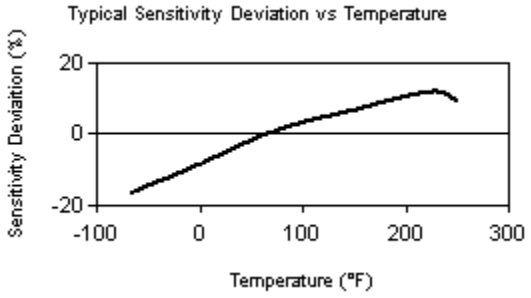
DYNAMIC PERFORMANCE	ENGLISH	SI
Sensitivity (±10%)	100 mV/g	10.2 mV/(m/s^2)
Measurement Range	±50 g	±500 m/s^2
Frequency Range: (±3 dB)	0.32 – 10k Hz	0.32 – 10k Hz
Mounted Resonant Freq.	>25k Hz	>25k Hz
Amplitude Linearity	≤1%	≤1%
Transverse Sensitivity	≤5%	≤5%
ENVIRONMENTAL		
Shock Limit	7,000 g pk	70k m/s^2 pk
Temperature Range	-65 to +185° F	-54 to 85° C
ELECTRICAL		
Settling Time	2.5 sec	2.5 sec
Excitation Voltage	18 to 28 VDC	18 to 28 VDC
Excitation Constant Current	2 to 20 mA	2 to 20 mA
Output Impedance	<100 ohms	<100 ohms
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC
Electrical Case Isolation	>10^8 ohms	>10^8 ohms
Electrical Protection	RFI/ESD	RFI/ESD
MECHANICAL		
Size	0.360 x 0.376"	9.14 x 9.55 mm
Weight	0.1 oz	3 g
Mounting Thread	1/4-28 UNF-2B	1/4-28 UNF-2B
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 N-m
Sensing Element	Ceramic/Shear	Ceramic/Shear
Case Material	Stainless Steel	Stainless Steel
Sealing	Potted	Potted
Wrench Flats	5/8"	5/8"



Ordering Information:

Part No.	Description
CMCP-1200	Low Cost Industrial Accelerometer

To Order Online Please Visit
www.stiwebstore.com



Spectral Noise:

1 Hz:	85 µg / √Hz	850 (µm/s²) / √Hz
10 Hz:	10 µg / √Hz	100 (µm/s²) / √Hz
100 Hz:	2.7 µg / √Hz	27 (µm/s²) / √Hz
1000 Hz:	1.0 µg / √Hz	10 (µm/s²) / √Hz