



Sales Technology Inc

Condition Monitoring Custom Products
"Vibration Monitoring and Machine Protection Systems"

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Condition Monitoring Custom Products

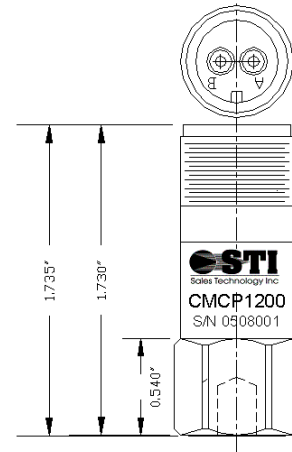
CMCP-1200 General Purpose Industrial Accelerometer

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 ($\pm 10\%$)	100 mV/g	10.2 mV/(m/s ²)
Measurement Range	± 50 g	± 490 m/s ²
Frequency Range: (± 3 dB)	20 – 600k cpm	0.32 – 10k Hz
Mounted Resonant Freq.	1320k cpm	22k Hz
Amplitude Linearity	$\pm 1\%$	$\pm 1\%$
Transverse Sensitivity	$\leq 7\%$	$\leq 7\%$
ENVIRONMENTAL		
Shock Limit	5,000 g pk	49k m/s ² pk
Temperature Range	-65 to +185° F	-54 to 85° C
ELECTRICAL		
Settling Time	≤ 2 sec	≤ 2 sec
Excitation Voltage	18 to 30 VDC	18 to 30 VDC
Excitation Constant Current	2 to 20 mA	2 to 20 mA
Output Impedance	< 150 ohms	< 150 ohms
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC
Electrical Case Isolation	$> 10^9$ ohms	$> 10^9$ ohms
Electrical Protection	RFI/ESD	RFI/ESD
MECHANICAL		
Size	0.625 x 1.735"	15.9 x 44.1 mm
Weight	1.5 oz	43 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"



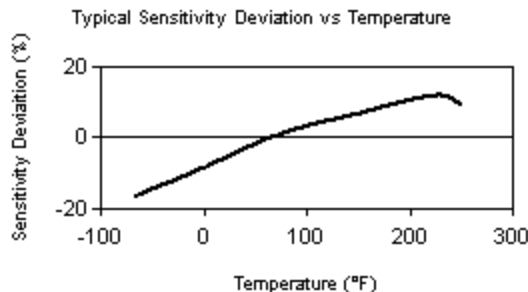
Ordering Information:

Part No.	Description
CMCP-1200	Low Cost Industrial Accelerometer

Spectral Noise:

10 Hz:	8 $\mu\text{g} / \sqrt{\text{Hz}}$	78.5 (mm/s ²) / $\sqrt{\text{Hz}}$
100 Hz:	5 $\mu\text{g} / \sqrt{\text{Hz}}$	49.1 (mm/s ²) / $\sqrt{\text{Hz}}$
1000 Hz:	4 $\mu\text{g} / \sqrt{\text{Hz}}$	39.2 (mm/s ²) / $\sqrt{\text{Hz}}$

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