



Sales Technology Inc

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

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Condition Monitoring Custom Products

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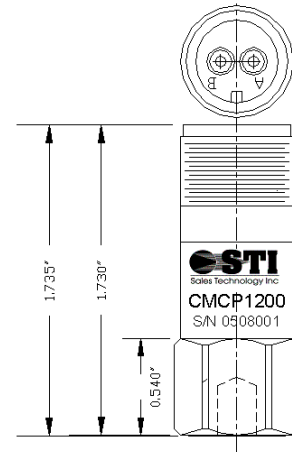
# CMCP-1200 General Purpose Industrial Accelerometer

## Features

- Small Size Case, 0.6250" x 1.735"
- 100 mV/g Sensitivity
- 0.32 Hz to 10 KHz Frequency Range ( $\pm 3$  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 <sup>2</sup> )
Measurement Range	$\pm 50$ g	$\pm 490$ m/s <sup>2</sup>
Frequency Range: ( $\pm 3$ dB)	20 – 600k cpm	0.32 – 10k Hz
Mounted Resonant Freq.	1320k cpm	22k Hz
Amplitude Linearity	$\pm 1\%$	$\pm 1\%$
Transverse Sensitivity	$\leq 7\%$	$\leq 7\%$
<b>ENVIRONMENTAL</b>		
Shock Limit	5,000 g pk	49k m/s <sup>2</sup> pk
Temperature Range	-65 to +185° F	-54 to 85° C
<b>ELECTRICAL</b>		
Settling Time	$\leq 2$ sec	$\leq 2$ 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
<b>MECHANICAL</b>		
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"



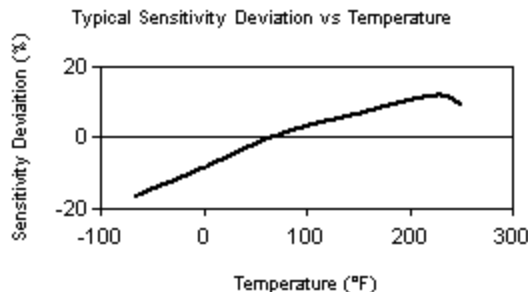
## Ordering Information:

Part No.	Description
CMCP-1200	Low Cost Industrial Accelerometer

## Spectral Noise:

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

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