Triaxial accelerometer with positioning pin

993A-3



SPECIFICATIONS

Sensitivity, ±10%, 25°C	100 mV/g
Acceleration range ¹	50 g peak
Amplitude nonlinearity	1%
Frequency response ² : all channels, ±10%	6 2 - 2,000 Hz
Transverse sensitivity, max	5% of axial
Temperature response: -50°C +120°C	
Power requirement: Voltage source Current regulating diode ³	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	z 20 μg/√Hz z 2.0 μg/√Hz
Output impedance, max	100 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated, internally shielded
Temperature range	–50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	250 μg/gauss
Base strain sensitivity	0.002 g/µstrain
Weight	90 grams
Case material	hardcoated aluminum
Mounting	1/4-28 captive screw
Output connector (at end of cable)	PC02A-8-4P
Mating connector	R9W
Recommended cabling	J9T4

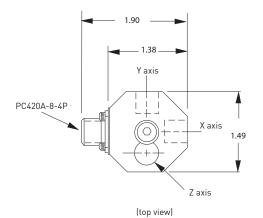
Notes: ¹ To minimize the possibility of signal distortion for high vibration signals, 24 to 30 VDC powering is recommended. The higher level constant current source should be used when driving long cables.

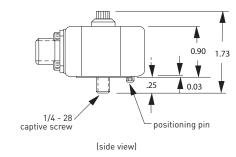
- ² As measured using the mounting screw.
- ³ A maximum current of 6 mA is recommended for operating temperatures in excess of 100°C. **Accessories supplied:** 1/4-28 captive screw; calibration data

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Key features

- Triaxial measurements provide more data from a single sensor
- Manufactured in ISO 9001 facility





Connections	
Function	Connector pin
Х	A
у	В
Z	С
common	D

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.