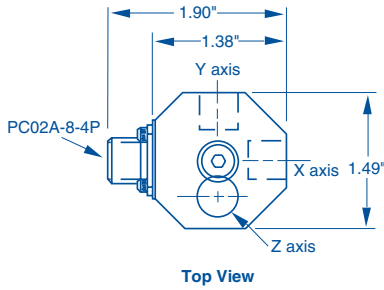


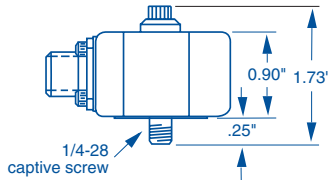


FEATURES:

- Rugged design
- Easy to mount



Top View



Side View

Model 993A

Triaxial Accelerometer

DYNAMIC

Sensitivity, $\pm 10\%$, 25°C	100 mV/g
Acceleration Range	50 g peak
Amplitude Nonlinearity	1%
Frequency Response:	
All Channels, $\pm 10\%$	2 - 2,000 Hz
Transverse Sensitivity, max.	5% of axial
Temperature Response	-50°C +10%
	+25°C +0%
	+80°C +3%
	+120°C -7%

ELECTRICAL

Power Requirement:	voltage source	18 - 30 VDC
	current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	150 μ g
Spectral	10 Hz	20 μ g/ $\sqrt{\text{Hz}}$
	100 Hz	2 μ g/ $\sqrt{\text{Hz}}$
	1000 Hz	0.6 μ g/ $\sqrt{\text{Hz}}$
Output Impedance, max.		100 Ω
Bias Output Voltage		12 VDC
Grounding		case isolated, internally shielded

ENVIRONMENTAL

Temperature Range	-50 to 120°C
Vibration Limit	500 g peak
Shock Limit	5,000 g peak
Electromagnetic Sensitivity, equiv. g.	100 μ g/gauss
Sealing	Epoxy
Base Strain Sensitivity	0.0005 g/ μ strain

PHYSICAL

Sensing Element Design	PZT ceramic / shear
Weight	88 grams
Case Material	hardcoated aluminum
Mounting	1/4-28 captive socket head screw
Output Connector	4 pin, Bendix PC02A-8-4P
Mating Connector	R9W
Recommended Cabling	J9T4

CONNECTOR PIN	FUNCTION
SHELL	N/C
A	axis Y, power / signal
B	axis X, power / signal
C	axis Z, power / signal
D	common (all channels)

ACCESSORIES SUPPLIED: 1/4-28 captive screw (International customers specify mounting requirements); Calibration data (level 2).

