

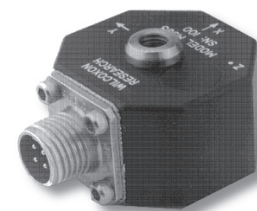
General purpose triaxial accelerometer

993A

SPECIFICATIONS

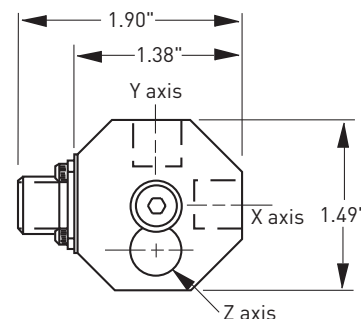
Sensitivity, $\pm 10\%$, 25°C		100 mV/g
Acceleration range		50 g peak
Amplitude nonlinearity		1%
Frequency response:		
	all channels, $\pm 10\%$	2 - 2,000 Hz
Transverse sensitivity, max		5% of axial
Temperature response:		
	-50°C	+10%
	+25°C	0%
	+80°C	+3%
	+120°C	-7%
Power requirement:		
Voltage source		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/ $\sqrt{\text{Hz}}$
	1,000 Hz	0.6 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max		100 Ω
Bias output voltage		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		100 μ g/gauss
Sealing		epoxy
Base strain sensitivity		0.0005 g/ μ strain
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

Accessories supplied: #11714-09 captive screw; calibration data (level 2)

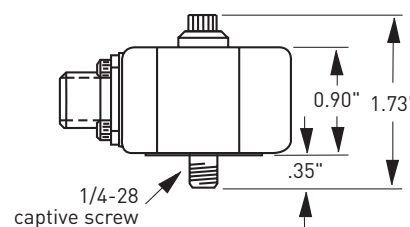


Key features

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



Top view



Side View

Connections	
Function	Connector pin
axis Y, power/signal	A
axis X, power/signal	B
axis Z, power/signal	C
common (all channels)	D
N/C	shell



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