

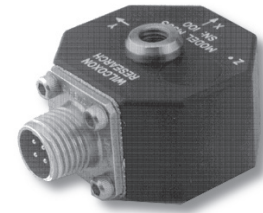
General purpose triaxial accelerometer

993A

SPECIFICATIONS

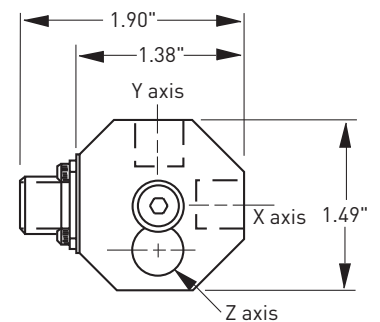
Sensitivity, $\pm 10\%$, 25°C	100 mV/g	
Acceleration range	50 g peak	
Amplitude nonlinearity	1%	
Frequency response:		
all channels, $\pm 10\%$	2 - 2,000 Hz	
Transverse sensitivity, max	5% of axial	
Temperature response:		
-50°C	+10%	
+25°C	0%	
+80°C	+3%	
+120°C	-7%	
Power requirement:		
Voltage source	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)

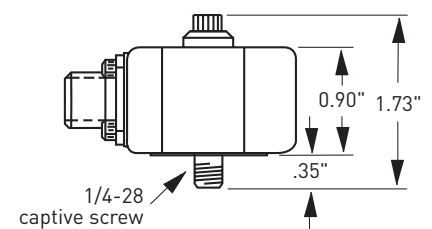


Key features

- 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.

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