

# General purpose triaxial accelerometer

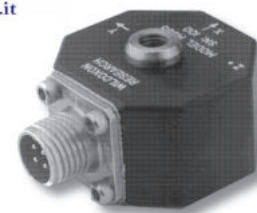
## 993A

**Danetech srl**  
 Via Italo Calvino 7  
 Lotto 1 - Edificio A13-14  
 20017 Rho (MI)  
 Tel. +39 02 36569371  
 info@danetech.it  
 www.danetech.it

### SPECIFICATIONS

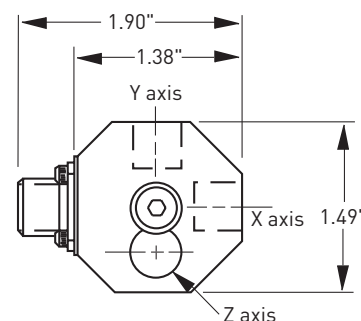
Sensitivity, $\pm 10\%$ , 25°C	100 mV/g
Acceleration range	50 g peak
Amplitude nonlinearity	1%
Frequency response:	
all channels, $\pm 10\%$	2 - 2,000 Hz
Transverse sensitivity, max	5% of axial
Temperature response:	
-50°C	+10%
+25°C	0%
+80°C	+3%
+120°C	-7%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	150 $\mu$ g
Spectral 10 Hz	20 $\mu$ g/ $\sqrt{\text{Hz}}$
100 Hz	2 $\mu$ g/ $\sqrt{\text{Hz}}$
1,000 Hz	0.6 $\mu$ g/ $\sqrt{\text{Hz}}$
Output impedance, max	100 $\Omega$
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 $\mu$ g/gauss
Sealing	epoxy
Base strain sensitivity	0.0005 g/ $\mu$ 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)

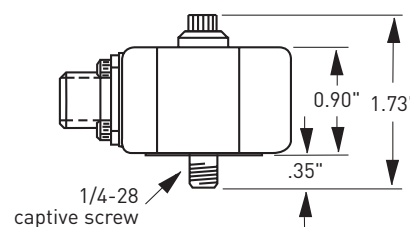


### Key features

- 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.