



## 993B SERIES

General purpose triaxial accelerometers

## SPECIFICATIONS

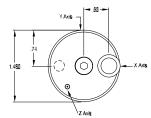
		993B-5	993B-6	993B-7	
Sensitivity, ±10%, 25°C		25 mV/g	50 mV/g	100 mV/g	
Acceleration range		160 g peak	80 g peak	40 g peak	
Amplitude nonlinearity		1%		-	
Frequency response <sup>1</sup> : Z ax X and Y axe	is, ±3 dB es, ±3 dB	2 - 10,000 Hz 2 - 7,000 Hz			
Transverse sensitivity, max		7% of axial			
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 5 mA			
Electrical noise, equiv. g, nom Broadband 2.5 Hz t Spectral	iinal: to 25 kHz 10 Hz 100 Hz 1,000 Hz	336 µg 24 µg/√Hz 3.2 µg/√Hz 2.0 µg/√Hz	220 μg 15 μg/√Hz 2.0 μg/√Hz 1.1 μg/√Hz	160 μg 10 μg/√Hz 1.4 μg/√Hz 1.0 μg/√Hz	
Output impedance, max		400 Ω			
Bias output voltage		11 VDC			
Grounding		case isolated	d, internally sh	nielded	
Turn-on time		<1 sec			
Temperature range		–50° to +120	)°C		
Vibration limit		500 g peak			
Shock limit		5,000 g peal	٢		
Electromagnetic sensitivity, e	quiv. g	100 µg/gaus	S		
Sealing		hermetic			
Base strain sensitivity, max		0.0005 g/µstrain			
Hydrostatic pressure, max		100 psi (IP6	8)		
Weight (excluding cable)		134 grams			
Case material		316L stainle	ss steel		
Cable		integral, 16 f	integral, 16 ft. Teflon <sup>®</sup> J9T4B, armored		
Cable termination <sup>2</sup>		stripped and	stripped and tinned		
Mounting		10-32 captiv	e screw		
Notes: 1 As measured using the mour	ting screw				

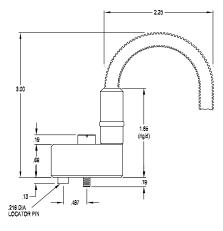


## Key features

• Hazardous area certified versions available (models 993B-5-33, 993B-6-33, and 993B-7-33)

· Manufactured in ISO 9001 facility





Notes: <sup>1</sup> As measured using the mounting screw. <sup>2</sup> Optional cable terminations: R11D (11-pin Fischer), R9W (4-pin Bendix), R21 (4-pin Amp), 3xR2 (BNC)

Accessories supplied: 10-32 captive screw; calibration data (level 2)

## CE

Connections			
Function	Cable conductor color		
X axis, power/signal	green		
Y axis, power/signal	red		
Z axis, power/signal	white		
common (all channels)	black		
N/C	shield		

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

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