



993B-7-33

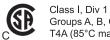
CSA certified triaxial accelerometer

SPECIFICATIONS

Sensitivity, ±10%, 25°C	100 mV/g
Acceleration range	40 g peak
Amplitude nonlinearity	1%
Frequency response: Z axis, ±3 dB X and Y axes, ±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, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	160 μg 10 μg/√Hz 1.4 μg/√Hz 1.0 μg/√Hz
Output impedance, max	400 Ω
Bias output voltage, nominal	11 VDC
Grounding	case isolated, internally shielded
Turn-on time	<1 sec
Temperature range	–50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	100 μg/gauss
Sealing	hermetic
Base strain sensitivity, max	0.0005 g/µstrain
Hydrostatic pressure, max	100 psi
Weight (excluding cable)	134 grams
Case material	316L stainless steel
Mounting ¹	1/4-28 captive screw
Cable	integral, 16 ft., gray, 3 pair, individually shielded

Notes: 1 Options: 10-32 captive screw; M6-1 captive screw; cable length and connectors. Accessories supplied: 1/4-28 captive screw; calibration data

Certifications



Groups A, B, C, D T4A (85°C max)

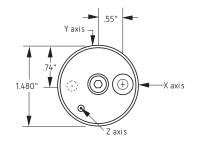


Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

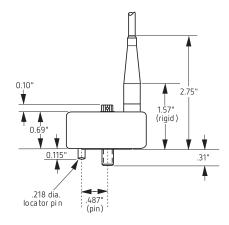


Key features

- · Hazardous area certified intrinsically safe
- · Manufactured in ISO 9001 facility



Top view



Side vie w

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

Page 1/1

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

Althen - Your expert partner in Sensors & Controls | althensensors.com

Althen stands for pioneering measurement and custom sensor solutions. In addition we offer services such as calibration, design & engineering, training and renting of measurement equipment.