

High frequency accelerometer

732-1D

SPECIFICATIONS

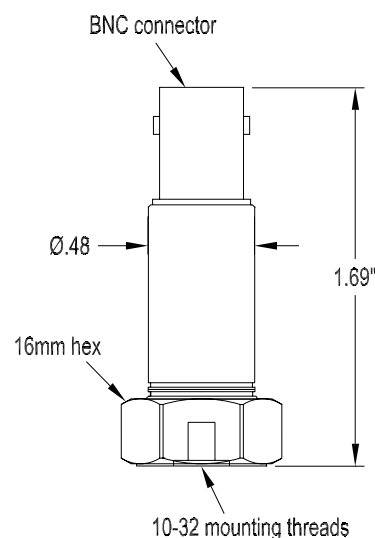
Sensitivity, $\pm 5\%$, 25°C		10 mV/g
Acceleration range		500 g peak
Amplitude nonlinearity		1%
Frequency response:	$\pm 5\%$	1.0 - 15,000 Hz
	± 3 dB	0.4 - 22,000 Hz
Resonance frequency, mounted, nominal		28 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	-50°C	-10%
	+120°C	+5%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	250 μ g
Spectral	10 Hz	20 μ g/ $\sqrt{\text{Hz}}$
	100 Hz	4 μ g/ $\sqrt{\text{Hz}}$
	1,000 Hz	2 μ g/ $\sqrt{\text{Hz}}$
	10,000 Hz	2 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max		100 Ω
Bias output voltage		10 VDC
Grounding		base isolated
Temperature range		-50° to +120°C
Vibration limit		500 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g, max		100 μ g/gauss
Base strain sensitivity		0.005 g/ μ strain
Sensing element design		PZT, compression
Weight		28 grams
Case material		316L stainless steel
Mounting		10-32 tapped hole
Output connector		BNC coaxial
Mating connector		R2
Recommended cabling		J93

Accessories supplied: SF1 mounting stud (metric mounting available); calibration data (level 3)



Key features

- Ideal for high-impact or high-speed applications
- Compact size
- Wide dynamic range
- Manufactured in ISO 9001 facility



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

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