

High frequency accelerometer

732-1D



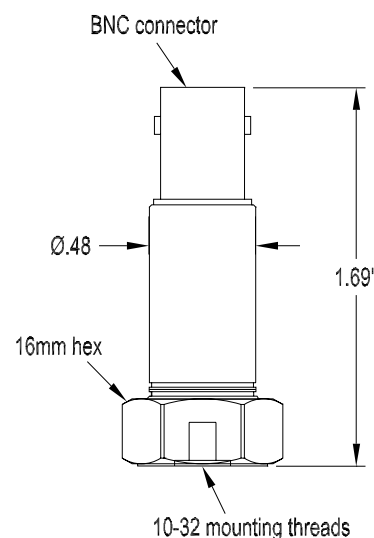
SPECIFICATIONS

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.

Connections	
Function	Connector pin
power/signal	pin
common	shell