



m/s² 736 AND 736T
High sensitivity, high-frequency Accelerometers

SPECIFICATIONS

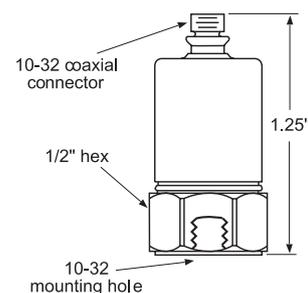
Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range	50 g peak
Amplitude nonlinearity	1%
Frequency response:	±5% 5 - 15,000 Hz
	±3 dB 2 - 25,000 Hz
Resonance frequency	60 kHz
Transverse sensitivity, max	7% of axial
Temperature response:	-50°C -10%
	+120°C +5%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband	2.5 Hz to 25 kHz 150 µg
Spectral	10 Hz 10 µg/√Hz
	100 Hz 2 µg/√Hz
	1,000 Hz 1 µg/√Hz
	10,000 Hz 0.8 µg/√Hz
Output impedance, max	150 Ω
Bias output voltage	10 VDC
Grounding	case grounded
Temperature range	-50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	100 µg/gauss
Base strain sensitivity, max	0.005 g/µstrain
Sensing element design	PZT, compression
Weight	13 grams
Case material	316L stainless steel
Mounting	10-32 tapped hole
Output connector	10-32 coaxial
Mating connector	R1
Recommended cabling	J93

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

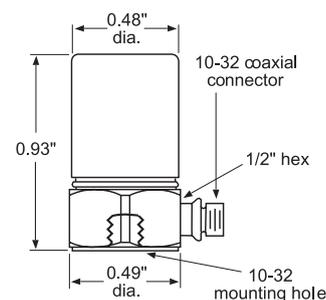


Key features

- Compact size
- Wide dynamic range
- Manufactured in ISO 9001 facility



Model 736T



Model 736

Connections	
Function	Connector pin / cable conductor
power/signal	pin / center
common	shell / shield



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

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.

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