

# Compact piezoelectric accelerometers

## 726 and 726T

### SPECIFICATIONS

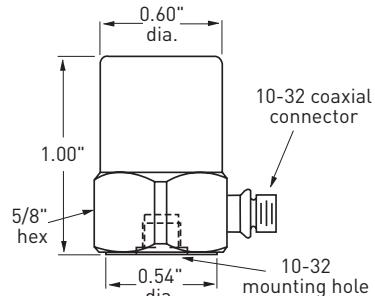
Sensitivity, $\pm 5\%$ , $25^\circ\text{C}$	100 mV/g	
Acceleration range	80 g peak	
Amplitude nonlinearity	1%	
Frequency response:	$\pm 5\%$ $\pm 10\%$ $\pm 3 \text{ dB}$	2.0 - 10,000 Hz 1.0 - 12,000 Hz 0.6 - 15,000 Hz
Resonance frequency, mounted, nominal	32 kHz	
Transverse sensitivity, max	5% of axial	
Temperature response:	$-50^\circ\text{C}$ $+120^\circ\text{C}$	$-10\%$ $+5\%$
Power requirement:		
Voltage source	18 - 30 VDC	
Current regulating diode	2 - 10 mA	
Electrical noise, equiv. g, nominal:		
Broadband      2.5 Hz to 25 kHz	60 $\mu\text{g}$	
Spectral      10 Hz	8.0 $\mu\text{g}/\sqrt{\text{Hz}}$	
100 Hz	0.8 $\mu\text{g}/\sqrt{\text{Hz}}$	
1,000 Hz	0.3 $\mu\text{g}/\sqrt{\text{Hz}}$	
10,000 Hz	0.2 $\mu\text{g}/\sqrt{\text{Hz}}$	
Output impedance, max	100 $\Omega$	
Bias output voltage, nominal	12 VDC	
Grounding:	726 (side connector) 726T (top connector)	case grounded base isolated
Temperature range	-50° to +120°C	
Vibration limit	500 g peak	
Shock limit	5,000 g peak	
Electromagnetic sensitivity at 60 Hz	40 $\mu\text{g}/\text{gauss}$	
Base strain sensitivity	0.002 g/ $\mu\text{strain}$	
Weight:	726      30 grams 726T      34 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; calibration data (level 3)

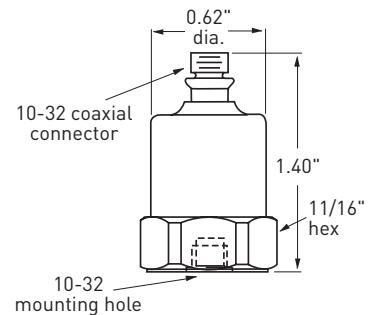


### Key features

- Wide frequency range
- Low noise floor
- Manufactured in ISO 9001 facility



Model 726



Model 726T



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

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