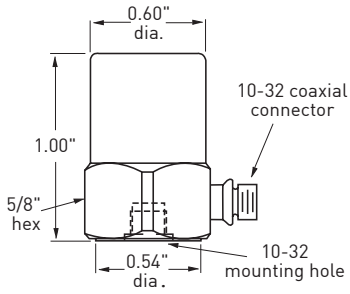
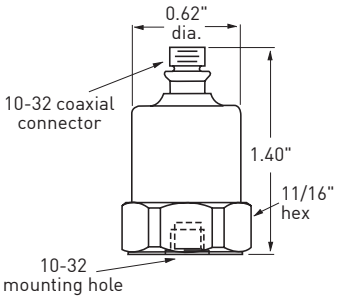
Wilcoxon Research

Models 726/726T
Small size piezoelectric accelerometers

Features
- Wide frequency range
- Low noise floor
- Hermetically designed
- Temperature compensated
- Wide dynamic range
- Small size, lightweight
- Reverse wiring protection



Model 726



Model 726T

Dynamic

Sensitivity, ±5%, 25°C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response:	
±5 %	2.0 - 10,000 Hz
±10 %	1.0 - 12,000 Hz
±3 dB	0.6 - 15,000 Hz
Resonance frequency, mounted, nominal	32 kHz
Transverse sensitivity, max.	5% of axial
Temperature response:	
–50°C	–10%
+120°C	+5%

Electrical

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 µg
Spectral	10 Hz	8.0 µg/√Hz
	100 Hz	0.8 µg/√Hz
	1,000 Hz	0.3 µg/√Hz
	10,000 Hz	0.2 µg/√Hz
Output impedance, max.		100Ω
Bias output voltage, nominal		12 VDC
Grounding:		
Model 726 (side connector)		case grounded
Model 726T (top connector)		base isolated

Environmental

Temperature range	–50 to 120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity @ 60 Hz	40 µg/gauss
Base strain sensitivity	0.002 g/µstrain

Physical

Weight: Model 726	30 grams
Model 726T	34 grams
Case material	316L stainless steel
Mounting	10-32 tapped hole
Output connector	10-32 coaxial
Mating connector	R1
Recommended cable	J93

Accessories supplied: SF1 mounting stud, calibration data (Level 3)
Accessories available: R1-2-J93-10 cable assembly, magnetic mounting bases, SF5 cementing studs, SF4 isolation mounting bases, power supplies, amplifiers, signal conditioners

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Due to continued research and product development, Wilcoxon Research reserves the right to amend this specification without notice.