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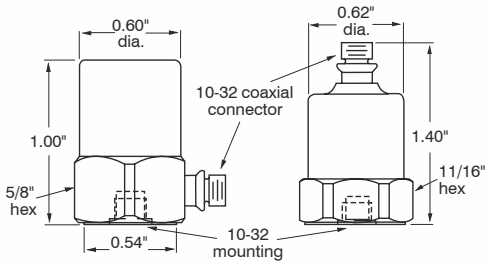
ALTHERIS SENSORS & CONTROLS

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%, mV/g	100
Acceleration range	80 g
Frequency response:	
±5 %	2.0 - 10,000 Hz
±10 %	1.0 - 12,000 Hz
±3 dB	0.5 - 15,000 Hz
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:	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
Cabling: mating connector	R1 (10-32 co-axial)
standard cable	J93, coaxial, Teflon® jacket, 30 pF/ft

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