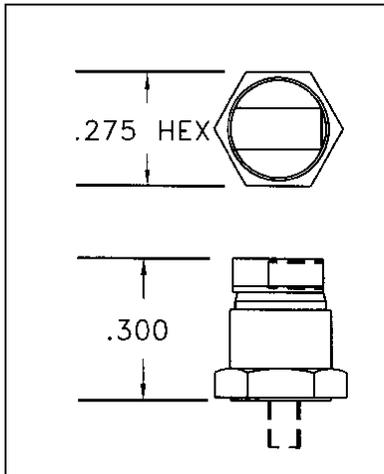


- *Vibration & Moderate Shock
- *Extreme Small Size
- *Frequency Response to 10KHz
- *Low Base Strain Sensitivity
- *Detachable Micro-Cable Assy.
- *Stud or Adhesive Mounting

The Model 6061 and 6062 Piezoelectric Accelerometers are ideal for vibration work with the advantage of small size and lightweight to minimize mass loading effects. They are designed for the measurement of wideband, moderate to high-level shock and vibration. The units incorporate an inverted shear crystal-mass assembly within a stainless steel body to provide a reliable sensor that is insensitive to environmental inputs such as base bending and thermal transients. Signal ground is connected to the outer case of the unit.

The units are supplied with Columbia's exclusive micro-miniature detachable cable and connector assemblies. The Model 6061 mounts with a fixed #4-48 stud, and the Model 6062 has a hard flat base for adhesive mounting. High temperature units will operate in environments up to +500 Deg. F. *Consult the factory for customized versions of these sensors.*



Specifications

Transfer / Electrical	6061 & 6061-HT	6062 & 6062-HT
Charge Sensitivity ¹	1.7 +/-0.7 pC/g	
Capacitance	300 +/-100 pF	
Frequency Linearity ²	+/-5% Max 2 Hz To 10,000 Hz	
Mounted Resonant Frequency	50 KHz, Nom.	
Transverse Sensitivity	5% Max	
Amplitude Linearity	+/-1.0% (BFSL) / 1,000 g	
Insulation Resistance	20,000 M Ohm Min, 50 VDC Test	
Isolation Resistance	0 (Case Grounded)	
Environmental		
Vibration Limit	1,000 g Max (Sine)	
Shock Limit	5,000 g Max, 0.50 mSec	
Temperature Range	Models 6061 & 6062 -100 To +350 Deg F (-73 To +175 Deg C) Models 6061-HT & 6062-HT -100 To +500 Deg F (-73 To +260 Deg C)	
Humidity ³	0 To 98% R.H. (Non-Condensing)	
Base Strain Sensitivity	0.005 g/uE Equiv, Typical	
Electromagnetic Sensitivity	0.01 g (Equiv / 100 Gauss)	
Physical		
Configuration	Inverted Ring Shear	
Size	0.275 In. Hex x 0.300 In. H (7.0 mm Hex x 7.6 mm H)	
Weight	0.07 Oz (2 Gm)	
Case Material	18-8 Stainless Steel	
Electrical Interface	Coaxial 10-32 Thread	
Mounting	4-48 Fixed Stud	Adhesive

NOTES:

¹ At +75 Deg F, 10g Peak, 100Hz; Lower Frequency Limit is Determined by Associated Electronics

² Referenced to Sensitivity @ 100 Hz.

³ With Connector Protected or Sealed, Unit is Epoxy Sealed

Accessories Supplied:

- (1) Micro-miniature Cable Assy., MMHR-6"
- (1) Miniature Cable Assembly, LNHT-3'
- (1) Microdot™ 10-32 Coupler (F/F)
- (1) Hardwood Storage Case
- (1) Standard Calibration Data
- (1) Certificate of Calibration Traceable to N.I.S.T.