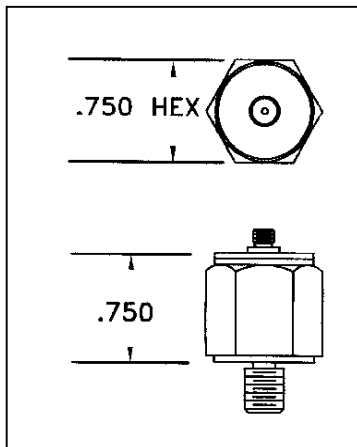


- *Vibration Monitoring,
- Vibration Level Controls,
- Automatic Shutdown
- *High Capacity (100 pC/g)
- *Case Grounded
- *3/8-24 Integral Stud

The Models 904 and 904-HT Piezoelectric Accelerometers are primarily designed for industrial applications where monitoring and measurement of vibration levels are desirable but only a minimum of electronic equipment is available. The internal construction of the piezoelectric seismic system ensures that the units have no discernible spurious response to mounting torque, body strains, cable vibration, cable whip, pressure variations and most heat transients.

The stainless steel housing provides an environmentally rugged unit, while the epoxy seal offers protection against industrial environments. Its grounded case construction provides tight mechanical coupling which yields accurate, wideband shock and vibration data. These accelerometers feature a 10-32 top connector and are provided with a 10' low-noise coaxial cable. The Model 904-HT will operate in environments up to +500 Deg. F.



Specifications

Transfer / Electrical	904 & 904-HT
Charge Sensitivity ¹	100 +/-10 pC/g
Capacitance	9,000 +/-100 pF
Frequency Linearity ²	+/-5% Max 1 Hz To 2,000 Hz
Mounted Resonant Frequency	30 KHz, Min.
Transverse Sensitivity	5% Max
Amplitude Linearity	+/-1.0% (BFSL) / 500 g
Insulation Resistance	10,000 M Ohm Min, 50 VDC Test
Isolation Resistance	0 (Case Grounded)
Environmental	
Vibration Limit	1,000 g Max (Sine)
Shock Limit	1,000 g Max.
Temperature Range	
Model 904	-100 To +350 Deg F (-73 To +175 Deg C)
Model 904-HT	-100 To +500 Deg F (-73 To +260 Deg C)
Humidity ³	0 To 98% R.H. (Non-Condensing)
Base Strain Sensitivity	0.05 g/uE Equiv, Typical
Electromagnetic Sensitivity	0.005 g (Equiv / 100 Gauss)
Acoustic Sensitivity	0.005 g RMS (Equiv @ 124 dB SPL)
Physical	
Configuration	Single-Ended Compression
Size	0.750 In. Hex. x 0.750 In. H (19.0 mm Hex x 19.0 mm H)
Weight	1.5 Oz (42.5 Gm)
Case Material	18-8 Stainless Steel
Electrical Interface	Coaxial 10-32 Thread
Mounting	3/8-24 Integral Stud

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) Cable Assembly, LNHT-10 Ft.
- (1) Hardwood Storage Case
- (1) Standard Calibration Data
- (1) Certificate of Calibration Traceable to N.I.S.T.