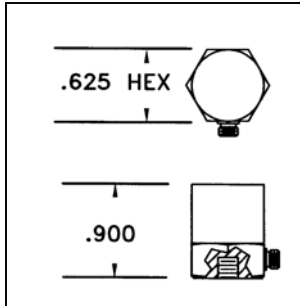


Vibration & Shock**Sensitivity 10 pC/g*****High Temperature
To +750 Deg F*****Hermetically Sealed*****Corrosion-Resistant
Alloy C-276 Housing**

The Model 3023M5 Piezoelectric Accelerometer exhibits a transfer sensitivity of 10 picoCoulombs/g and operation to +400 degrees C. The moderate sensitivity and wide frequency response provides a device well suited for a broad range of vibration monitoring and analysis applications in the most demanding environments. 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 sensor's Alloy C-276 housing provides an environmentally rugged unit, and the hermetically-sealed welded construction offers protection against high humidity environments. Signal ground is connected to the outer case of the unit. This accelerometer features a 10-32 side connector and is provided with a 10' low-noise coaxial cable. *Consult the factory for customized versions of this sensor.*

**Accessories Supplied:**

- (1) Cable Assembly, LNHT-10'
- (1) 10-32 x 0.375" L Mounting Stud, St Stl
- (1) Hardwood Storage Case
- (1) Standard Calibration Data
- (1) Certificate of Calibration Traceable to N.I.S.T.

Specifications

3023M5	
Transfer / Electrical	
Charge Sensitivity ¹	10 pC/g +/-10%
Capacitance	1,200 pF +/-20%
Frequency Linearity ²	+/-6%, 1 Hz To 5,000 Hz +/-10%, 2 Hz To 6,000 Hz
Mounted Resonant Frequency	28 +/-3 KHz, Min.
Transverse Sensitivity	3% Max
Amplitude Linearity	+/-1.0% (BFSL) / 1,000 g
Insulation Resistance @ 25 Deg C @ 400 Deg C	10,000 M Ohm Min, 50 VDC Test 25 M Ohm Min.
Isolation Resistance	0 (Case Grounded)
Environmental	
Vibration Limit	500 g Max (Sine)
Shock Limit	3,000 g Max, 0.10 mSec
Temperature Range	-100 To +750 Deg F (-73 To +400 Deg C)
Humidity ³	0 To 100% R.H.
Base Strain Sensitivity	0.003 g/uE Equiv, Typical
Electromagnetic Sensitivity	0.005 g (Equiv / 100 Gauss)
Physical	
Configuration	Single-Ended Compression
Size	0.625 In. Hex x 1.00 In. H (16.0 mm Hex x 25.4 mm H)
Weight	1.00 Oz (28 Gm)
Case Material	Hastelloy® C-276 Alloy
Electrical Interface	Coaxial 10-32 Thread
Mounting	10-32 Tapped Base

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 Hermetically Sealed