

Model 67 Isotron[®] accelerometer

Features

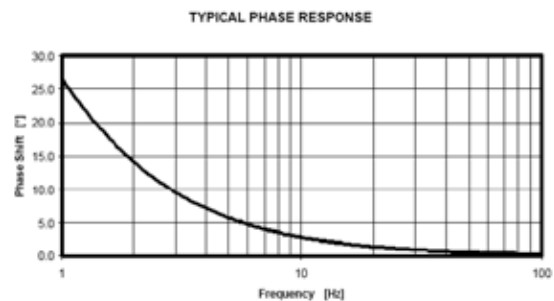
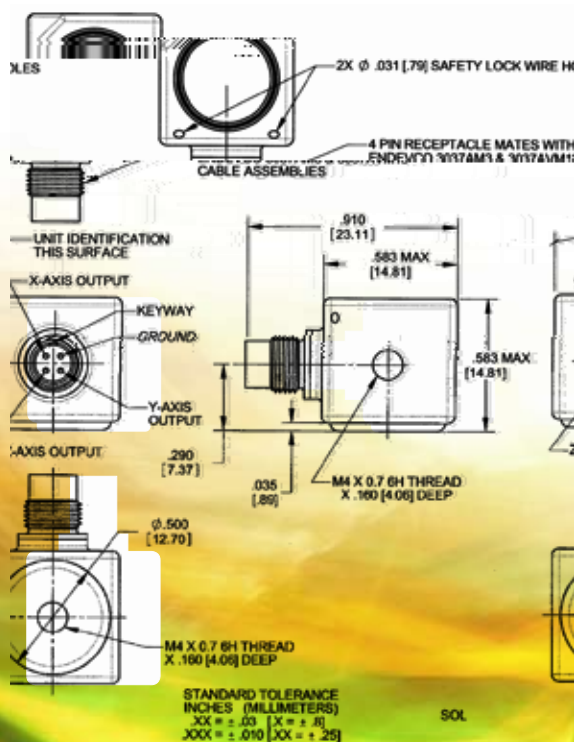
- Triaxial, low-impedance output
- High temperature to 350°F (175°C)
- High output (100 mV/g), high resolution (Mili-g)
- Ideal for structural analysis and ESS
- Shock-proof, overload-protected
- Single connector, flexible cable



Description

The Endevco model 67 is a small high temperature triaxial accelerometer designed for laboratory testing and modal analysis data acquisition. The unit operates to 347°F (175°C), features welded titanium construction, is hermetically sealed against environmental contamination and provides high output sensitivity. Its light weight of less than 14 grams effectively minimizes mass loading effects.

The model 67-XXX features Endevco's Piezite Type P-8 crystal element operating in the annular shear mode to achieve low base strain sensitivity and excellent output stability over time. This accelerometer incorporates internal hybrid signal conditioners to achieve a low noise floor. Power to the Endevco model 67, in the form of a constant current, travels through the same pins as the low impedance output signals. The model 67 was designed for either adhesive mounting or screw mounting using a M4 screw. The model number suffix denotes acceleration sensitivity in mV/g; i.e. 67-100 features sensitivity of 100 mV/g.



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Specifications

The following performance specifications conform to ISA-RP-37.2 (1964) and are typical values, referenced at +75°F (+24°C) and 100 Hz, unless otherwise noted. Calibration data, traceable to National Institute of Standards and Technology (NIST), is supplied.



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