

PIEZOELECTRIC ACCELEROMETER

MODEL: CA-YD-125

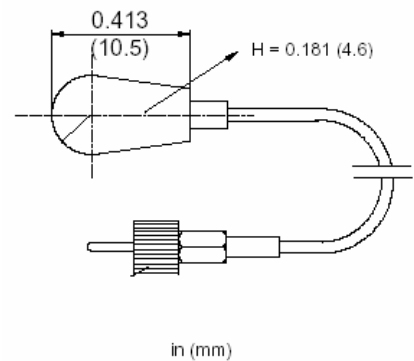
- + Small Size, Light Weight (1.2 grams)**
- + Frequency Response to 15 KHz**
- + Resonance Frequency at 50 KHz**
- + Good for Shock Measurements**
- + No External Power Required**
- + Adhesive Mounting**



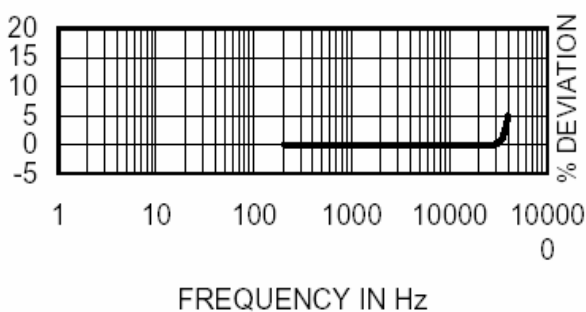
Description

The Sensor is a miniature piezoelectric accelerometer for vibration measurement on mini-structures and small objects. Its light weight of 1.2 grams (without the integral low-noise cable) effectively minimizes mass loading. The accelerometer is a self-generating device that requires no external power source for operation.

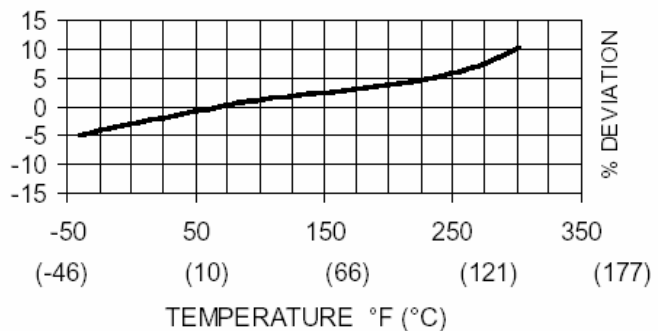
The Model 125 exhibits a broad frequency response range and a high resonance frequency. It utilizes a piezoelectric crystal material that exhibits stable output sensitivity over the operating temperature range. Low-noise, flexible coaxial cables are used for error-free operation.



Typical Amplitude Response



Typical Temperature Response



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.

ACCESSORIES

Included:

Calibration Certificate

NOTES

1. Low end response of the transducer is a function of its electronics.
2. Adhesives such as petro-wax, hot-melt glue, and cyanoacrylate epoxy (super glue) may be used to mount the accelerometer temporarily to the test structure.