

# Model 1202 Accelerometer

- DC Response**
- Durable Cable**
- Reliable Performance**
- Self Test**



Since the mass actually moves, the self-test is both a mechanical test of the unit's functioning and an electrical test. This ensures significant time and costs savings for quality personnel in determining performance during in-coming inspections and for test engineers trouble-checking instrumentation channels before and after auto safety tests.



## DESCRIPTION

The **Model 1202** accelerometer is a small, compact uniaxial device designed for vehicle impact and road testing. Its mechanical overload stops provide high shock protection in rugged applications. Featuring ranges from 50 g to 1000g and frequency response to 3000 Hz, this sensor is easily mounted in hard to get places on vehicles under test.

By applying a voltage to the self-test lead, an electrostatic force is created that attracts the seismic mass towards the top cap, simulating an acceleration and allowing proper sensor function to be verified.

## FEATURES

- ◆ 2<sup>nd</sup> GEN MEMS Sensing Element
- ◆ 1000 g Full Scale Range
- ◆ 2-10 VDC Excitation
- ◆ ±40 mV Zero Measurand Output
- ◆ Gas Damping
- ◆ Connector Options
- ◆ Mechanical Overload Stops
- ◆ Designed for Adhesive Mounting
- ◆ Self Test U.S. Patent Numbers

5,103,667

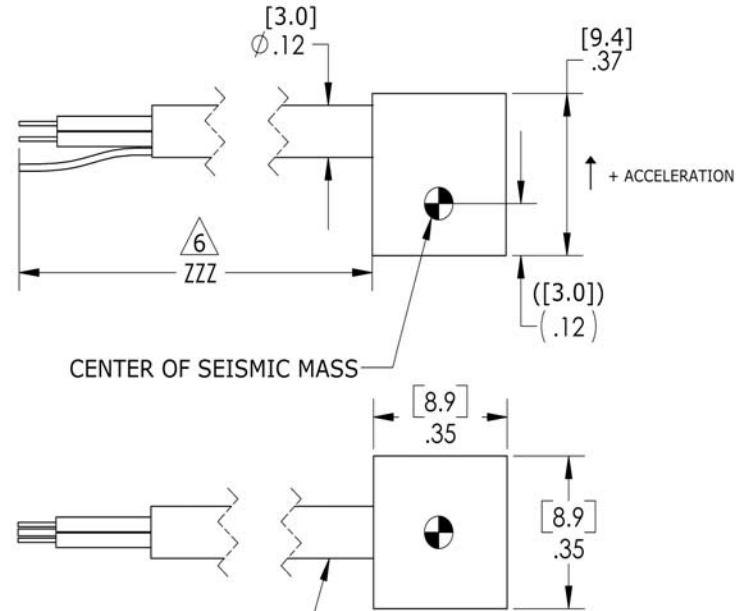
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5,445,006

## APPLICATIONS

- ◆ Crash Testing
- ◆ Impact Testing
- ◆ Off-Road Testing

## dimensions



5x, #28 AWG CONDUCTORS  
PVC INSULATED, BRAIDED SHIELD,  
POLYURETHANE JACKET

(Dimensions in inches [mm])

