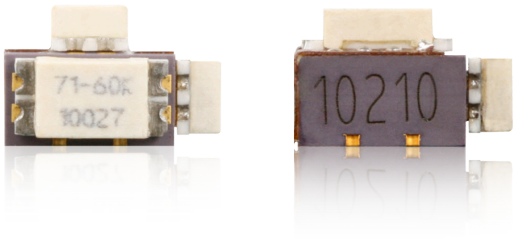
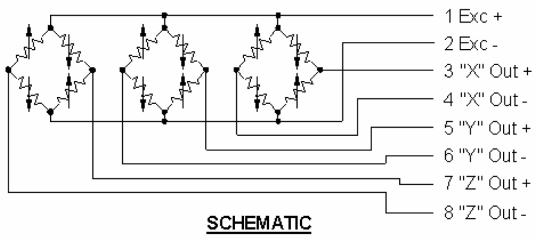
ENDEVCO
AN AMPHENOL COMPANY

Piezoresistive accelerometer

Model 73





Key features

- Small footprint triaxial shock measurement system
- 2000 to 60 000 g range
- Exceptional survivability
- DC response
- Minimal zero shift after shock

Endevco® model 73 is an assembly of three model 71 piezoresistive accelerometers designed for shock measurements in three directions. The highly efficient sensing system is sculpted from single crystal silicon, which includes the inertial masses and strain gages arranged in a four-active-arm Wheatstone bridge circuit for each axis. The extremely small size and unique construction of the elements allows exceptionally high resonant frequencies. On-chip balance resistors provide low zero measurand output and low thermal zero drift. The model 73 case is designed for adhesive mounting. See model 75 data sheet for LCC package, suitable for SMT or hand soldering.

The high resonant frequencies and zero damping of the model 73 allow accurate response to fast rise time, short duration shock motion. With a frequency response extending down to dc (steady state) these transducers are also ideal for measuring long duration transients. Model 73 comes calibrated for 10V excitation voltage; specify the "M2" option for 5V input.

U.S. Patent numbers 4,498,229, 4,605,919 and 4,689,600

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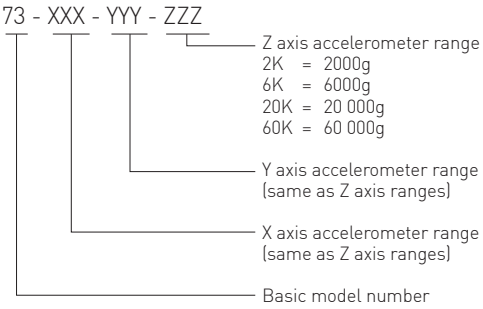
Model number definition



Notes:

1. Maintain high levels of precision and accuracy using Endevco's factory calibration services. Call Endevco's inside sales force at 866-ENDEVCO for recommended intervals, pricing and turn-around time for these services as well as for quotations on our standard products.

This product is subject to International Traffic in Arms Regulations (ITAR), and as such a license is required for shipments outside the U.S. and other restrictions may apply.

Contact

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