

## Q-FA<sup>®</sup> Multi-Axis Accelerometer



### Description

Idealphotonics's High Flexibility Triax is a simple building block designed to accept all Q-Flex Servo accelerometers. The Generic Triax possesses all of the Q-Flex features in a triaxial configuration.

The mounting base provides an orthogonal reference with a common center of percussion for the three accelerometers. A common board assembly provides voltage output scaling, dynamic filtering and bias trim unique requirements.

The Generic Triax provides three-axis inertial measurement capability for a variety of applications such like Inertial navigation system,Position and attitude reference system,Track inertia parameter measurement,Airborne gravimetry etc.

### Features

- High precision,small temperature Coefficient,good long-term repeatability
- High reliability, long life
- Fast response
- Internal temperature sensor for thermal compensation
- Output Interface compact,and Expansion I / F circuit also available

### Performance Characteristics

Performance	Multi-Axis
Six month Bias repeatability (ug)	<6
Bias Temperature Sensitivity [ $\mu\text{g}/^\circ\text{C}$ ]	<15
Six month Composite Repeatability [ppm]	<20
Scale factor Temperature Sensitivity [ppm/ $^\circ\text{C}$ ]	<15
1g ,0g 1 hour stability	<20ug
1g 0g Start Repeatability	<22ug

Find out more:

Fiber optic gyroscope solution

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