

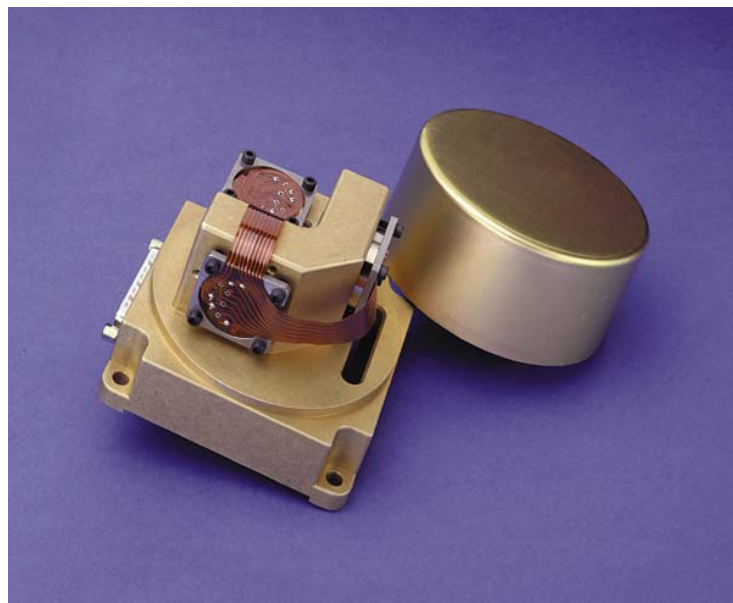
Q-Flex[®] Multi-Axis Accelerometer

High-flexibility triax mount

The Q-Flex Multi-Axis Accelerometer provides an orthogonal reference with a common center of percussion for up to three accelerometers. The triaxial accelerometer mount is designed to be simple and accept nearly all of the Q-Flex accelerometers.

The design objective is to provide a three-axis integration level that is cost-effective for a variety of applications. The unit is ready to use with three axes of precision scaled analog outputs.

A common board assembly provides voltage output scaling dynamic filtering, and bias trim for the customer's unique requirements.



Features

- High flexibility triax mount
- QA-650 to QA-3100 performance
- Current output or 5 standard scale factors from 0.25 V/g to 5.0 V/g Bias trimmed to <1% bias trimmed to <1mg.
- Dynamic filtering and over-ranging
- Temperature sensor output
- Dual built-in-test
- 25 pin D-Submarine Interface

Options

Triax Voltage Output
Temperature Modeling for

- Bias
- Scale Factor
- Axis Misalignment
- Biax Configuration

Improved performance, different scaling and interface configurations are available.

986-003X-0YY Part Numbering

| -003X | Voltage Scale Factor | f_c Dynamic Filter -3dB |
|-------|----------------------|---------------------------|
| -0030 | Current Output | — |
| -0031 | 0.25 V/g | 500 Hz |
| -0032 | 0.5 V/g | 250 Hz |
| -0033 | 1.0 V/g | 125 Hz |
| -0034 | 2.5 V/g | 50Hz |
| -0035 | 5.0 V/g | 25Hz |
| -0036 | Special | — |

Find out more:

www.inertialsensor.com

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