



## US-T Force Balance Servo Accelerometer

The US-T is triaxial, high dynamic range servo accelerometer based on state-of-the-art MEMS technology.

### Earthquake Engineering

- Building Monitoring
- Monitoring of Structures (Dams, Bridges..)

### Civil Engineering

- Industrial Vibrations
- Construction Site Monitoring
- Tunneling
- Truck and Rail Traffic
- Blasting Monitoring
- Model Verification

## Specifications

### Electrical

Ranges Available	+/- 0.5g to +/- 2g
Power Required	+/- 12 Volts 10 Ma maximum
Output Voltage	+/- 5 volts
Zero G Bias *	+/- 0.01g
Zero Bias T.C.	Less than 20 micro-g / Deg C
Non- Linearity	+/- 0.2 % F.S.
Frequency Response	Dc to 50 Hz Min smooth rolloff above 100 Hz
Noise	Less than 1 micro-g / Hz <sup>0.5</sup>
Scale Factor T.C.	Less than 0.05 % / Deg C