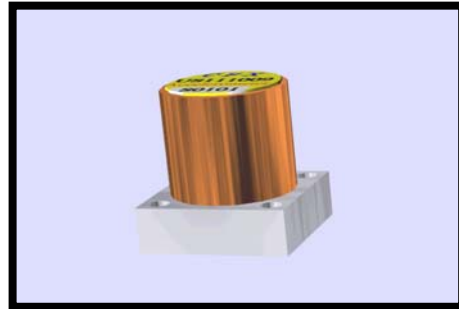


- *Stable Force Balance Design*
- *Small Size, Less Than 1 Cubic Inch*
- *High Level, Low Impedance Output*
- *Better Than 100 dB Dynamic Range*
- *Low Price*



MODEL UM1
MINIATURE HIGH PERFORMANCE
FORCE BALANCE ACCELEROMETER
Specifications

Electrical	
Ranges Available	+/- 0.5 to +/- 50 G
Power Required	+/-15 Volts, 20 ma. Typical
Output Voltage	+/- 10 Volts (into 10K Load)
Zero G Output Voltage	0 +/-0.01 Volt
Accuracy *	+/-0.1% F.S.
Resolution	Better Than 0.0001G
Frequency Response (Typical)	DC to 100 Hz +/- 5% (-12dB / Octave Above 200 Hz)
Crossaxis Sensitivity	-<0.02 G/G
Noise	<0.1% F.S. Output (DC to 1KHz)
Zero Output Thermal Coefficient	0.1 mV / Deg C Max.
Scale Factor Thermal Coefficient	0.03% / Deg C Max.

*Accuracy includes the effects of Non-Repeatability, Hysteresis and Non-Linearity measured at 20 Deg C.

Environmental	
Operating Temperature	-40 to 85 Deg C
Vibration Survival	15 G RMS, 2 to 2000Hz
Shock Survival	1000G, 1ms 100G, 11ms
Humidity	95% R.H.