



Model US5 Force Balance Accelerometer Specifications

Electrical	
Ranges Available	+/- 0.5g to +/- 5g
Power Required	+ 12 Volts 18 Ma maximumn
Output volts	0.5 to 4.5 volts
Zero G Bias *	2.5 volts +/- 0.05 volts
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 ^{.5}
Scale Factor T.C.	Less than 0.05 % / Deg C

1 g counter bias option available for vertical mounting

Environmental / Mechanical	
Sensitive Axis Orientation	(-H) across diameter parallel to 1.5" base dimension (-V) normal to mounting base
Operating Temperature	-10 to 65 deg C
Vibration Survival	5 G RMS 2 to 2000Hz Limited to 0.5 " disp
Shock Survival	100G, 1ms
Humidity	95% R.H.
Case	aluminum, epoxy sealed

