



## Monitoring Critical Assets

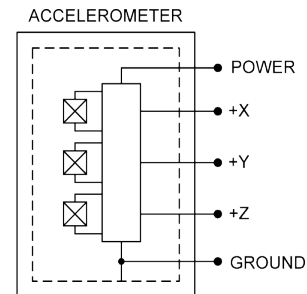
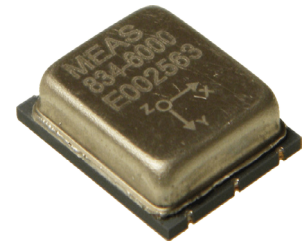
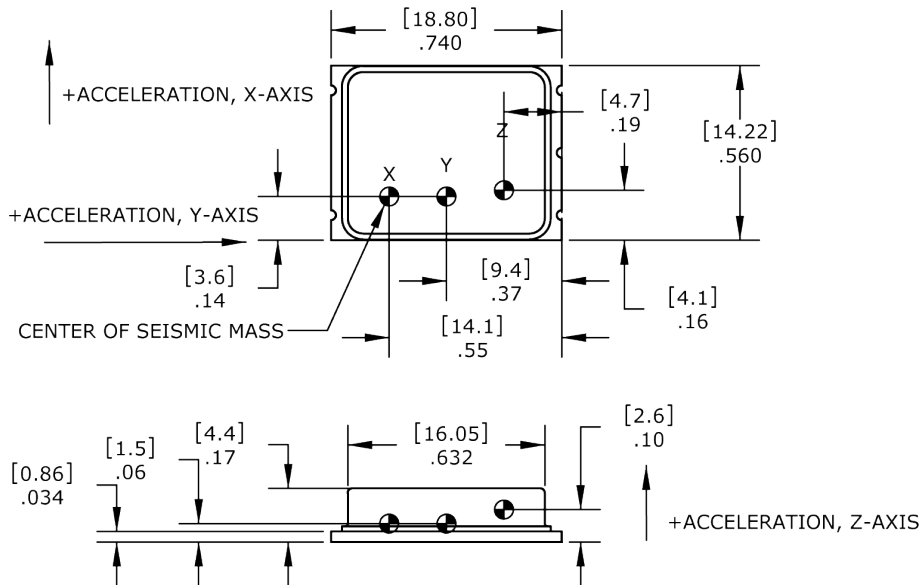
### Miniature Accelerometers for Measuring High-g Impact

If you use the words collision, detonate, explode, impact, knock, shake or shock when describing your application, then you probably would be interested in looking at our cost-effective Models 832/834 series triaxial accelerometers. They are available in full scale range from 25 to 6000g's, and are designed for direct mounting on circuit boards. These devices require only 3.0 to 5.5 Vdc power and consume under 4 $\mu$ A for all three channels - ideal for battery operated systems. The Models 832/834 series are standard accelerometers that have been used globally in a wide variety of monitoring applications ranging from full-time impact detection to weapons storage monitoring system.

# Model 832/834 Series Piezoelectric Accelerometers

Two versions of the Model 832 and 834 triaxial piezoelectric accelerometer are available. The standard version features lowest current consumption but narrower bandwidth. The M1 version features broader bandwidth and  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  operating range, but at slightly higher current consumption.

832	-0025	-0050	-0100	-0200	-0500	unit
G Range	$\pm 25$	$\pm 50$	$\pm 100$	$\pm 200$	$\pm 500$	g
Nominal Sensitivity	50	25	12.5	6.25	2.5	mV/g
Frequency Response	2 to 2000	2 to 2000	2 to 2000	2 to 2000	2 to 2000	Hz
Supply Current (3 channels)	<4	<4	<4	<4	<4	$\mu\text{A}$
832M1	-0025	-0050	-0100	-0200	-0500	unit
G Range	50	25	12.5	6.25	2.5	g
Nominal Sensitivity	$\pm 25$	$\pm 50$	$\pm 100$	$\pm 200$	$\pm 500$	mV/g
Frequency Response	2 to 6000	2 to 6000	2 to 6000	2 to 6000	2 to 6000	Hz
Supply Current (3 channels)	<22	<22	<22	<22	<22	$\mu\text{A}$
834	-2000	-6000				unit
G Range	$\pm 2000$	$\pm 6000$				g
Nominal Sensitivity	0.62	0.2				mV/g
Frequency Response	2 to 2000	2 to 2000				Hz
Supply Current (3 channels)	<4	<4				$\mu\text{A}$
834M1	-2000	-6000				unit
G Range	$\pm 2000$	$\pm 6000$				g
Nominal Sensitivity	0.62	0.2				mV/g
Frequency Response	2 to 6000	2 to 6000				Hz
Supply Current (3 channels)	<22	<22				$\mu\text{A}$
Excitation Voltage	3.0 to 5.5	3.0 to 5.5	3.0 to 5.5	3.0 to 5.5	3.0 to 5.5	Vdc



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