

# UEB334 Series



VIBRATION ANALYSIS HARDWARE

Low Cost, Dynamic Vibration IEPE Ultrasound Sensor, 1/4-28 Mounting, Top Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±15%



## Product Features

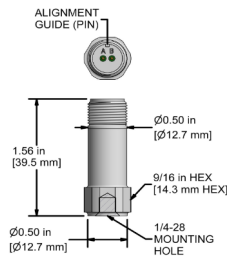
### High Frequency Ultrasound Accelerometer

- ▶ High Amplitude Resonance Peak for Stress Wave Measurement Techniques
- ▶ IEPE Amplifier Technology
- ▶ Suggested Magnetic Mounting Bases:  
MH137-1A Surface Magnet or MH137-1A Curved Surface Magnet

### UEB334

#### 2 Pin Connector

Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common

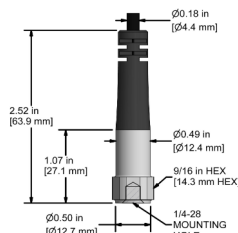


Stock Product

### UEB434

#### Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire

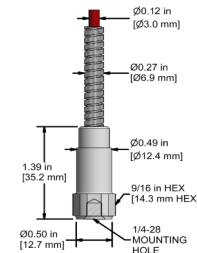


Built To Order

### UEB534

#### Armored Integral Cable

Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEB334	M/ or M8/UEB334	<b>Environmental</b>		
Sensitivity (±15%)	100 mV/g		Operating Temperature Range	-58 to 250 °F	-50 to 121 °C
Frequency Response (±3dB)	30-1,380,000 CPM	0.5 Hz-23 kHz	Maximum Shock Protection	10,000g, peak	
Frequency Response (±10%)	60-600,000 CPM	1 Hz-10 kHz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80g, peak *Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Peak Sensitivity	+21 dB ± 2 dB		SIL Rating	SIL 2	
<b>Electrical</b>			<b>Physical</b>		
Settling Time	< 2 Seconds		Sensing Element	PZT	
Voltage Source (IEPE)	18-30 VDC		Sensing Structure	Shear Mode	
Constant Current Excitation	2-10 mA		Weight	0.7 oz	20 g
Spectral Noise @ 10 Hz	30 µg/ √Hz		Case Material	316L Steel	
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Thread	1/4-28 UNF	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)	2 Pin mini-MIL, J Series Connector	
	< 100		Resonant Frequency	2,520,000 CPM	42 kHz
				±12,000	±2kHz