

UEB332 Series

Dynamic Vibration IEPE Ultrasound Sensor, 1/4-28 Mounting, Top Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±10%



VIBRATION ANALYSIS HARDWARE



Product Features

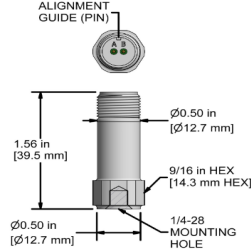
High Frequency Ultrasound Accelerometer

- ▶ High Amplitude Resonance Peak for Stress Wave Measurement Techniques
- ▶ IEPE Amplifier Technology
- ▶ 2 Pin Mini-MIL Connection or Integral Cable
Note: Integral Cable Options are only for Permanent Monitoring Applications

UEB332

2 Pin Connector

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

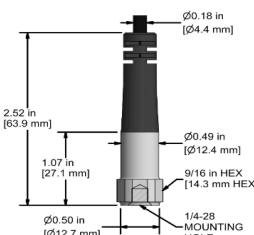


Stock Product

UEB432

Integral Cable

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

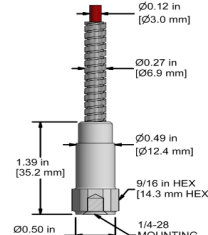


Built To Order

UEB532

Armored Integral Cable

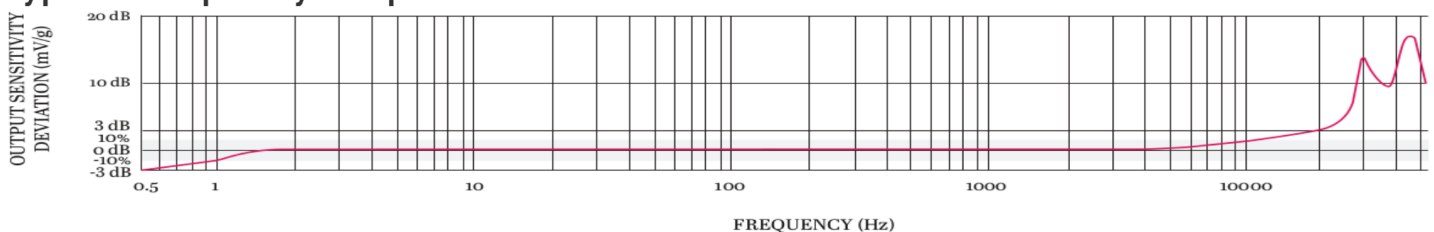
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEB332	UEB342	Environmental		
Sensitivity (±10%)		100 mV/g	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		± 50g, peak	Sealing		Welded, Hermetic
Peak Sensitivity		+21 dB ± 2 dB	SIL Rating		SIL 2
Electrical			Physical		
Settling Time		< 2 Seconds	Sensing Element		PZT Ceramic
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 Stainless Steel
Spectral Noise @ 100 Hz		4 µg/√Hz	Mounting		1/4-28 UNF
Spectral Noise @ 1000 Hz		2 µg/√Hz	Connector (Non-Integral)		2 Pin mini-MIL, J Series Connector
Output Impedance		< 100 ohm	Resonant Frequency	520,000 CPM ±12,000 CPM	42 kHz ±2kHz
Bias Output Voltage		10-14 VDC	Mounting Torque	2 to 5 ft. lbs.	2.7 to 6.8 Nm
Case Isolation		> 10 ⁸ ohm	Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

Typical Frequency Response



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