

# UEB334 Series

Low Cost, Dynamic Vibration IEPE Ultrasound Sensor, 1/4-28 Mounting, Top Exit 2 Pin Mini-MIL Connector, 100 mV/g, ±20%



VIBRATION ANALYSIS HARDWARE



## Product Features

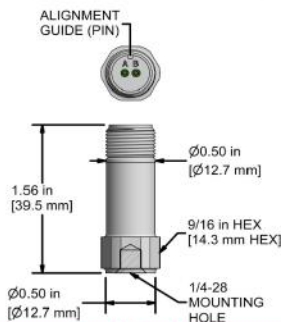
### High Frequency Ultrasound Accelerometer

- ▶ 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

### UEB334

2 Pin Connector

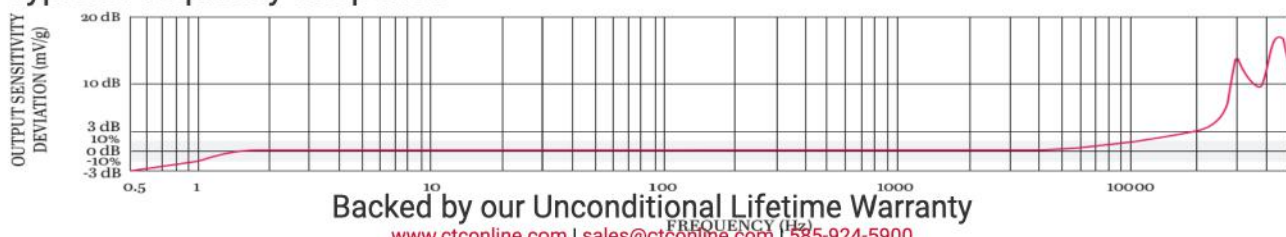
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEB334	M/UEB334	<b>Environmental</b>		
Sensitivity (±20%)		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 *V <sub>source</sub> ≥ 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 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 Thread		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	2,520,000 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 <sup>8</sup> ohm	Mounting Hardware Supplied	1/4-28 Stud	M6x1 Adapter Stud
			Calibration Certificate		CA10

## Typical Frequency Response



Backed by our Unconditional Lifetime Warranty

www.ctconline.com | sales@ctconline.com | 585-924-5900