

# UEA332 Series

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



VIBRATION ANALYSIS HARDWARE



## Product Features

High Frequency Ultrasound Accelerometer

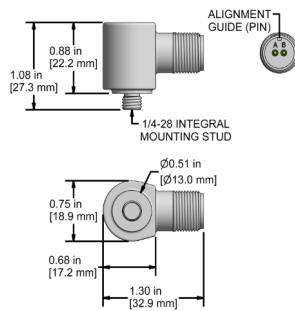
High Amplitude Resonance Peak for Stress Wave Measurement Techniques

- ▶ For use with MH149-1A Magnet & MH130-4A Mounting Target
- ▶ IEPE Amplifier Technology
- ▶ 2 Pin Mini-MIL Connection or Integral Cable  
Note: Integral Cable Options are only for Permanent Monitoring Applications

### UEA332

#### 2 Pin Connector

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

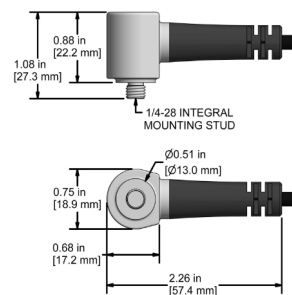


Stock Product

### UEA432

#### Molded Integral Cable

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



Built To Order

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	UEA332		<b>Environmental</b>		
Sensitivity (±10%)	100 mV/g		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-1,020,000 CPM	1 Hz - 17 kHz	Maximum Shock Protection	10,000g, peak	
Frequency Response (±10%)	120-600,000 CPM	2 Hz - 10 kHz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 80g, peak *Vsource ≥ 22V, 12Vbias		Sealing	Welded, Hermetic	
Peak Sensitivity	+21 dB ± 2 dB		<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	1.5 oz	43 grams
Spectral Noise @ 10 Hz	30 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 100 Hz	4 µg/√Hz		Mounting Thread	1/4-28 Integral Stud	
Spectral Noise @ 1000 Hz	2 µg/√Hz		Connector (Non-Integral)	2 Pin mini-MIL, J Series Connector	
Output Impedance	< 100 ohm				
Bias Output Voltage	10-14 VDC				
Case Isolation	> 10 <sup>8</sup> ohm				

520,000

CPM

(2 kHz)