

VE136 Series

Piezo Velocity Sensor, Side Exit 2 Pin Connector, 500 mV/in/sec, ±10%



VIBRATION ANALYSIS HARDWARE



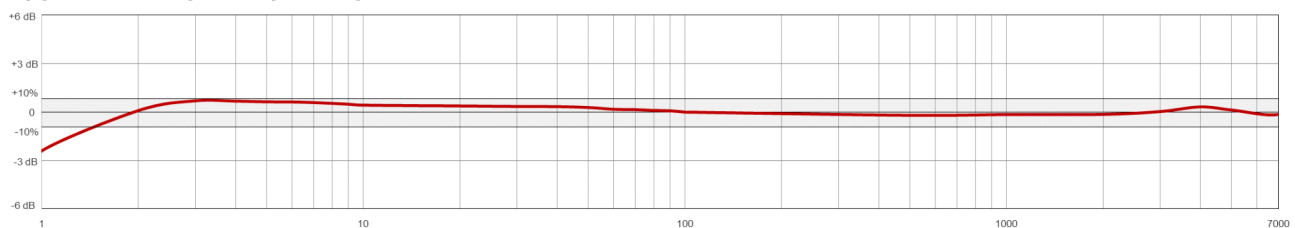
Product Features

- 500 mV/in/sec (20 mV/mm/sec) Sensitivity
- 1,0-7000 Hz (60-420,000 CPM) Frequency Response
- ▶ ±10 in/sec, Peak Dynamic Range
- ▶ 2 Pin MIL Connection or Integral Option
- ▶ Integrates to Velocity in the Sensor

VE136-1A 2 Pin Connector	VE136-2C Integral Cable	VE136-3C Armored Integral Cable	VE136-6C Heavy Duty Armored Integral Cable																														
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Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	VE136	M/VE136	Environmental		
Sensitivity (±10%)	500 mV/in/sec		Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-420,000 CPM	1,0-7000 Hz	Maximum Shock Protection	5,000 g, peak	
Frequency Response (±10%)	120-240,000 CPM	2,0-4000 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 10 in/sec. pk		Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	60 m
Settling Time	<4 Seconds		Physical		
Voltage Source (IEPE)	18-30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	200 μ IPS/√Hz		Weight	5.1 oz	145 grams
Spectral Noise @ 100 Hz	6 μ IPS/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	0.7 μ IPS/√Hz		Mounting	1/4-28	
Output Impedance	<100 ohm		Connector (Non-Integral)	2 Pin MIL-C-5015	
Bias Output Voltage	10-14 VDC		Resonant Frequency	1,320,000 CPM	22000 Hz
Case Isolation	>10 ⁸ ohm		Mounting Torque	2 to 5 ft. lbs	2,7 to 6,8 Nm
			Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
			Calibration Certificate	CA10	

Typical Frequency Response



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