VE136 Series

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

VIBRATION ANALYSIS HARDWARE

Product Features

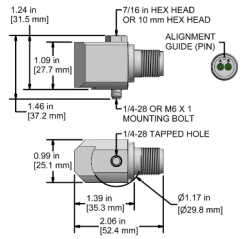
500 mV/in/sec (20 mV/mm/sec) Sensitivity

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

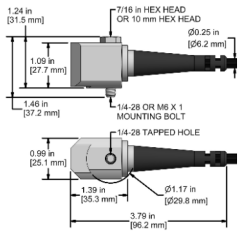
Connector Pin	Polarity
A	(+) Signal/Power
B	(-) Common



Stock Product

VE136-2C
Integral Cable

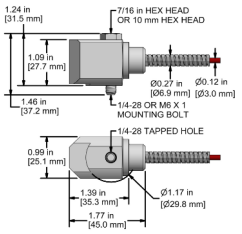
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

VE136-3C
Armored Integral Cable

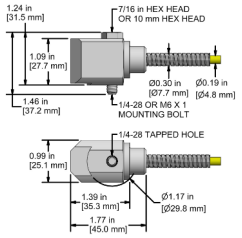
Conductor	Polarity
Red	(+) Signal/Power
Black	(-) Common
Shield	Cable Drain Wire



Built To Order

VE136-6C
Heavy Duty Armored Integral Cable

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



Built To Order

Specifications	Standard	Metric
Part Number	VE136	M/VE136
Sensitivity (±10%)	500 mV/in/sec	
Frequency Response (±3dB)	60-420,000 CPM	1,0-7000 Hz
Frequency Response (±10%)	120-240,000 CPM	2,0-4000 Hz
Dynamic Range	± 10 in/sec. pk *Vsource ≥ 22V, 12Vbias	
Electrical		
Settling Time	<4 Seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	200 µ IPS/√Hz	
Spectral Noise @ 100 Hz	6 µ IPS/√Hz	
Spectral Noise @ 1000 Hz	0.7 µ IPS/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10^8 ohm	

Specifications	Standard	Metric
Environmental		
Operating Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth	200 ft.	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
Connector (Non-Integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,320,000 CPM	22000 Hz
Mounting Torque	2 to 5 ft. lbs	2,7 to 6,8 Nm
	1/4-28	M6x1