

Piezo Electric Velocity Sensor, Side Exit Connector/Cable, 500 mV/in/sec

Section I - Vibration Sensors

Actual Product Size Shown



Product Features

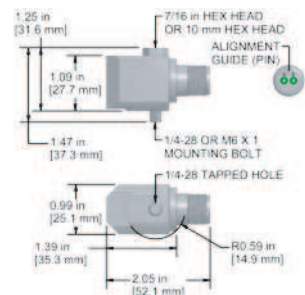
500 mV/in/sec, (20 mV/mm/sec) Sensitivity

1,0 - 7,000 Hz (60 - 420,000 CPM) Frequency Response

- ± 10 in/sec, Peak Dynamic Range
- 2 Pin MIL Connection
- Integrates to Velocity in the Sensor

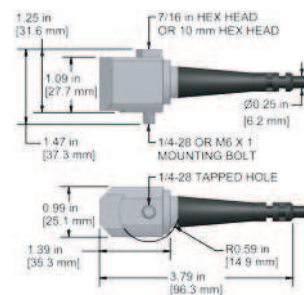
VE136-1A 2 Pin Connector

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



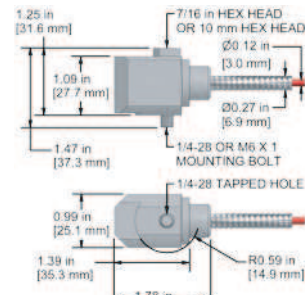
VE136-2C Integral Cable

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



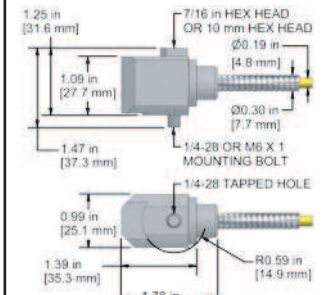
VE136-3C Armored Integral Cable

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



VE136-6C Heavy Duty Armored Integral Cable

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



Specifications	Standard	Metric
Part Number	VE136	M/VE136
Sensitivity (±10%)	500 mV/in/sec	20 mV/mm/sec
Frequency Response (±3dB)	60-420,000 CPM	1,0-7,000 Hz
Frequency Response (±10%)	120-240,000 CPM	2,0-4,000 Hz
Dynamic Range (Peak)	±10 in/sec	±254 mm/sec
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		
Temperature Range	-58 to 250°F	-50 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Submersible Depth (VE136-2C/3C)	200 ft.	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.1 oz	145 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	2 Pin MIL-C-5015	
Resonant Frequency	1,320,000 CPM	22,000 Hz
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	

Ordering Information

Standard	VE136-1A	VE136-2C - /	VE136-3C - /	VE136-6C - /
	(1/4-28 Captive Bolt) Stock Product	(1/4-28 Captive Bolt) Build To Order	(1/4-28 Captive Bolt) Build To Order	(1/4-28 Captive Bolt) Build To Order
		(length in feet) (termination)	(maximum armor length 100 ft.) (cable length in feet) (termination)	(maximum armor length 20 ft.) (cable length in feet) (termination)
Metric	M/VE136-1A	M/VE136-2C - /	M/VE136-3C - /	M/VE136-6C - /
	(M6x1 Captive Bolt) Stock Product	(M6x1 Captive Bolt) Build To Order	(M6x1 Captive Bolt) Build To Order	(M6x1 Captive Bolt) Build To Order
		(length in feet) (termination)	(maximum armor length 100 ft.) (cable length in feet) (termination)	(maximum armor length 20 ft.) (cable length in feet) (termination)
		(length in meters) (termination)	(maximum armor length 30 m) (cable length in meters) (termination)	(maximum armor length 6 m) (cable length in meters) (termination)

Cable Termination Options: E F L Z

Backed by our Unconditional Lifetime Warranty

