

Tri-axial vibration velocity transmitter

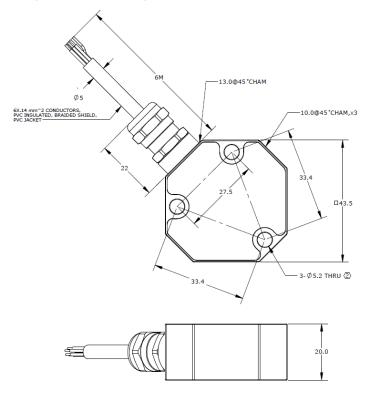


Features

- RMS velocity output
- 4-20mA current signal
- Hermetic seal
- Case isolated
- Tri-axial output
- Shock resistance

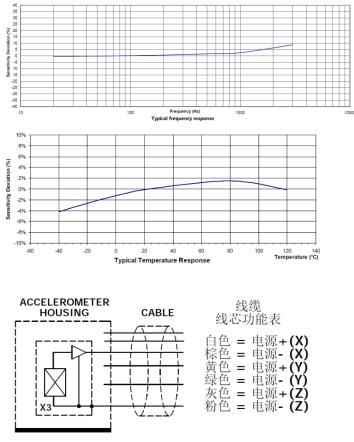
Application

- Blowing machine
- Gear box monitoring
- Bearing detection
- High speed train bogie



Description

Model 332V is an industrial vibration sensor with RMS velocity output by 4-20mA signal. 332V features an annular shear ceramic crystal which exhibits excellent output stability over time. The accelerometer incorporates an internal circuit with in a two-wire system which transmits the 4~20mA current velocity output through the same cable that supplies the voltage excitation. Signal ground is internal shielded and isolated from the outer case of the unit. Polarity inversion protection for the amplify circuit is inherent in the circuit design. The anodized aluminum case construction provides a hermetic and isolated housing. The standard integrated cable provides long-term stability over the operating temperature range. In addition to adhesive mounting, 332V has 3xØ5.2 through holes for screw mounting on the test object. The 332V provides wide frequency response and shock resistance, which is ideal for industrial vibration monitoring incidental under shock environment.





Specification

Typical at +24°C (+75°F), 15Vdc and 100Hz, unless otherwise stated.

Model Number	332V-1	332V-2	
Performance			
Measurement Range	0.0-1.0	0.0-2.0	in/sec rms
	0.0-25.4	0.0-50.8	mm/sec rms
Output	4-20	4-20	mA
Frequency Range ±10%	5-3000	5-3000	Hz
Broadband Resolution	0.1	0.1	%FSO
Non-Linearity	±1	±1	%
Sinusoidal Vibration Limit	±500	±500	g
Shock Limit	±2000	±2000	g pk
Environmental			
Temperature Range	-40-85	-40-85	°C
Electrical			
Excitation Voltage	12-30	12-30	VDC
ZERO CURRENT	3.5 to 4.5	3.5 to 4.5	mA
Settling Time (within 2% of value)	<15	<15	sec
Electrical Isolation (Case)	>100	>100	Mohm

Physical

Weight (CABLE EXCLUDED)	75	gm
Sensing Element	Ceramic	
Sensing Geometry	Shear	
Housing Material	Anodized Aluminum	
Sealing	Epoxy Sealed	

Accessories

Calibration certificate included.

Part Number	Description	Availability	
PM0111	M5x25 socket head cap mounting screws	3pcs Included	
IN-3062	8 channels data acquisition system	Optional	

Measurement configuration

Sensor	DC power supply	Signal conditioner	Data acquisition	Computer
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Ordering information

332	V	-	1	-	3
Model	Output signal	-	Range	-	Cable length
332	V=Velocity RMS signal	-	1=1in/sec=25.4mm/sec RMS	-	3=3 meters
	by loop current output		2=2in/sec=50mm/sec RMS		





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