



Anti Corrosion High Frequency Accelerometer With Integral Cable 10mV/G

Our Product Introduction

Basic Information

- Place of Origin: USA
- Brand Name: Wilcoxon
- Certification: CE
- Model Number: Model 997
- Minimum Order Quantity: 1 set
- Price: negotiated sale
- Packaging Details: Standard
- Delivery Time: 10-60days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 set/year



Product Specification

- Wilcoxon Model: Model 997
- Sensitivity: 10 MV/g
- Sensitivity Tolerance: $\pm 10\%$
- Frequency Response ± 3 DB, Hz: 0.5 Hz - 29,000 Hz
- Resonance Frequency: 45 KHz
- Bias Output Voltage: Bias Output Voltage
- Temperature Sensor Output 10 MV/ $^{\circ}$ C Sensitivity:
- Grounding: Case Isolated
- Mounting: 1/4-28 Tapped Hole
- Output Connector: MIL-C-5015, 2-pin
- Compliance: CE -[CSA/ATEX/IECEX]
- Highlight: **Anti Corrosion High Frequency Accelerometer, Anti Corrosion industrial accelerometer sensor, 10mV/G High Frequency Accelerometer**

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Product Description

High frequency accelerometer with integral cable, 10 mV/g, used on machinery with gear mesh or small bearings



High frequency accelerometer, 10 mV/g sensitivity, $\pm 10\%$ sensitivity tolerance, 500 g range, low profile with side exit integral cable, ring type with 8-32 thread captive mounting screw

High frequency accelerometers are used on machinery with gear mesh or small bearings, such as high-speed machine tool spindles and compressors. At high frequencies, there is little vibration in terms of displacement and velocity, however tremendous amounts of acceleration amplitudes may be present. It is not uncommon for vibration amplitudes on a very high speed gearbox to exceed 80 g peak prior to failure. High frequency accelerometers with low voltage sensitivity will prevent sensor overload from these high amplitudes. The 10 mV/g sensitivity is commonly used due to its high amplitude range which can prevent sensor overload. Whereas a 100 mV/g accelerometer may overload at 50g peak, a 10 mV/g sensor will measure to 500g peak.

High frequency accelerometer features

- Reverse wiring protection
- Corrosion resistant
- Hermetically sealed
- Ground isolated
- ESD protection

Specifications

PARAMETER	VALUE
Sensitivity	10 mV/g
Sensitivity tolerance	$\pm 10\%$
Frequency response, $\pm 3\text{dB}$	0.5 Hz - 29,000 Hz
Mounting thread	8-32 tapped hole
Connector style	Integral cable
Connector orientation	Side exit
Full-scale range	600 g peak
Resonance frequency	45 kHz
Temperature range	-50°C to +120°C
Weight	35 grams
Hazardous area approvals	Non-approved



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