Accelerometer SA6250 High-Frequency Accelerometers

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Capable of sensing a wide range of vibration frequencies, this accelerometer is ideal for use on a variety of machines. A built-in amplifier provides a high level, low impedance output, for connection to a Metrix signal conditioner for 4-20 mA output ot to an SM6100 vibration output monitor for relay output. It consists of a temperature stabilized piezo-electric sensor and an amplifier packaged together in a stainless steel case, from which the sensing circuit is electrically isolated. A choice of mounting styles is available.

Specifications

Features

SEISMIC PRODUCTS

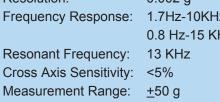
- Highest Frequency Response
- Hermetic S.S. Case
- **Intrinsically Safe** Versions Available

Applications

- Motors •
- **Gear Boxes**
- **Paper Machines**
- **Process Pumps** •
- Fans
- **Rotor Blade** Pass Sensing
- Turbocharger Engine Vibration
- **Cooling Tower Fans** •

Typical Mounting





Ceramic

Mechanical:

Dynamics:

Resolution:

Sensitivity (±5%):

Case Material: Connector Type: Hermetic Seal: Mounting Stud:

100mV/g 0.002 g 1.7Hz-10KHz (±10%) 0.8 Hz-15 KHz (± 3dB)

M6 X 1.0 (P/N 3719-007)

Sensing Element:

303 SS See "How to Select C" Welded 1/4-28 UNF or

Transient Protection: **Environmental:** Shock Limit: Temperature Range: Electromagnetic

Electrical:

Full Scale

Case Isolation:

Excitation Current:

Excitation Voltage:

Output Voltage:

Output Bias:

Settling Time:

Compatibility:

Certification:

Hazardous Area

5.000 q -54°C to +121°C **CE** Certified See How

 $>10^8$ ohms

2 to 20 mA

±5 volts

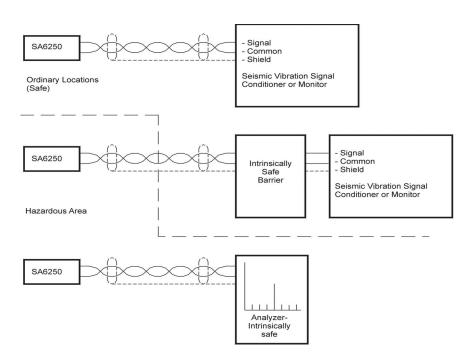
18 to 28 VDC

8 to 12 volts

RFI & ESD

2 seconds max.

To Select "A"



2.02

