

DATA SHEET

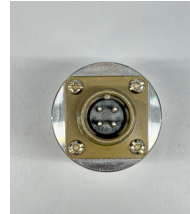
IRD570 Vibration Sensor, Accelerometer 100mV/g

SKU: IRD570



OVERVIEW

- Vibration Sensor with Acceleration Output (100 mV/g)
- For Use with Vibration Monitoring System
- Stainless Steel Enclosure
- Round-the-clock, 24x7, 365 days Vibration Monitoring
- Comes with 4 Pin Military Grade Connector
- Can be Stud, Adhesive or Magnetically mounted to surface



SPECIFICATIONS

Technical Performance	
Mounted Base Resonance	3 kHz
Measuring Sensitivity	100 mV/g +/- 10% at 80 Hz Nominal
Frequency Response	10 Hz (600 CPM) to 1 kHz (60k CPM) +/- 5% - ISO 20816
Transverse Sensitivity	Less than 5% Average
Mechanical	
Case Material	Stainless Steel SS304 (SS316L available on request)
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	185 grams (Nominal)
Screened Cable Assembly	Contact sales@irdmech.com for Options
Connector	4 Pin MIL Male Connector 12S
Mounting Threads	1/4"-28UNF Female
Electrical	
Supply Voltage	15 - 30 Volts DC
Connection Details	Pin A— +VDC (Supply) Pin B— Common Pin C— Signal Pin D— NC
Settling Time	5 seconds approx
Output Impedance	22 KOhms Max

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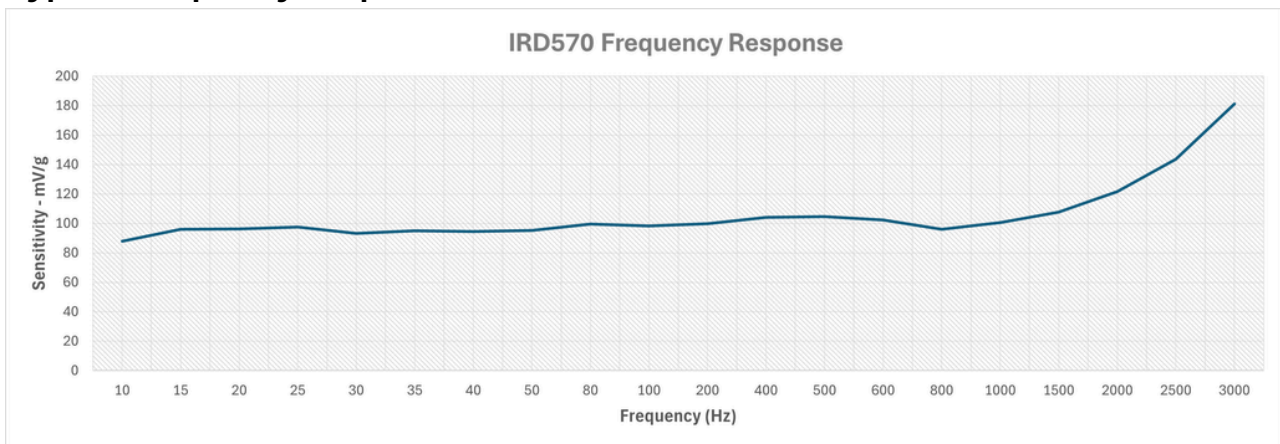
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Environmental	
Operating Temperature Range	0 to 100 Deg Celsius
Sealing	IP65
Maximum Shock	2000g

Typical Frequency Response



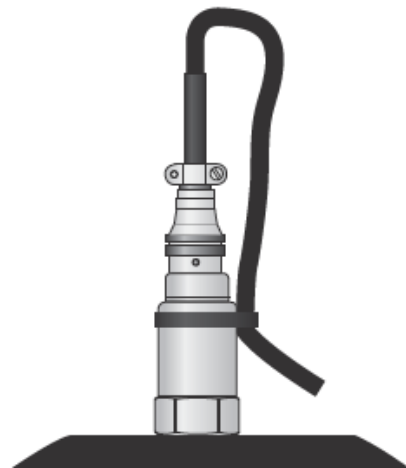
Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)

To Order

Email us at sales@irdmech.com or call us on +91-2248972000 (Monday to Friday 9AM to 6PM IST) or visit our website www.irdmech.com



About IRD Mechanalysis Limited

IRD Mechanalysis Limited (a.k.a 'IRD' and 'The Vibration People') is a Provider of Condition Monitoring Solutions to the World since 1962. IRD make Products and Solutions for primarily Vibration Based Condition Monitoring along with instrumentation for Speed, Temperature and Turbine Supervision. IRD completes its offerings by its support Services to complement its Sensors, Meters, Transmitters and Monitoring Systems.