IE-173R Premium Triaxial Accelerometer

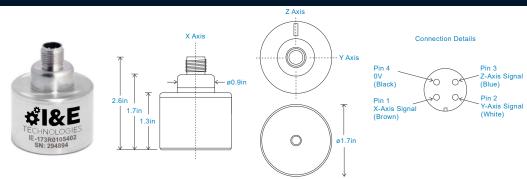
Three AC outputs via M12 Connector

Key Features

- · Output via three axes
- · For use with data collector
- · Customisable features

Industries

Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical



Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal) +3kHz for aluminium version see: 'How To Order' table ±10% Sensitivity Nominal 80Hz at 72°F per axies Frequency Response 120cpm (2Hz) to 600kcpm (10kHz) ± 5% 90cpm (1.5Hz) to 720kcpm (12kHz) ± 10% 48cpm (0.8Hz) to 900kcpm (15kHz) ± 3dB

Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

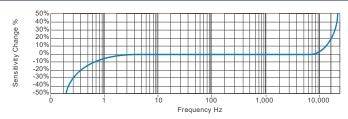
Case Material Stainless Steel unless specified Aluminium Sensing Element/Construction PZT/Shear Mounting Torque 5.9ft. lbs Weight 6.8 oz. (nominal) - Stainless Steel 3.5 oz. (nominal) - Aluminium Screened Cable Assembly HS-AC010 - straight Mounting Threads see: 'How To Order' table Mounting Stud HS-AS226, HS-AS221 or HS-AS222

Electrical Environmental

Electrical Noise 0.1mg max Current Range 0.5mA to 8mA Bias Voltage 10 - 12 Volts DC Settling Time 1 second Output Impedance 200 Ohms max. >108 Ohms at 500 Volts Case Isolation

Operating Temperature Range -67 to 300°F Sealing IP67 Maximum Shock 5000g **EMC** EN61326-1:2013

Typical Frequency Response (at 100mV/g)



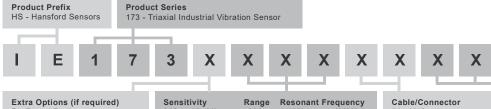
Applications

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.)



How To Order



R - Round Design AL - Aluminium Material - Filtered

- 10mV/g - 30mV/g ±800g 1,200kcpm ±250g 1.140kcpm (19kHz) - 50mV/g (18kHz) ±160a 1.080kcpm - 100mV/g ±80g 1,020kcpm (17kHz) (16kHz) - 250mV/g 960kcpm 500 - 500mV/g 900kcpm (15kHz) 54 - M12

Mounting Threads 01 - ¼-28" UNF Female 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male



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