HS-422 Accelerometer

4-20mA acceleration output via 2 Pin MS Connector

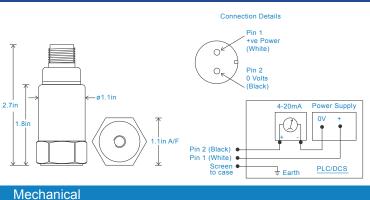


- 4-20mA acceleration output
- · For use with PLC/DCS systems
- · Customizable features

Industries

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





Technical Performance

Mounted Base Resonance	10kHz min
Acceleration Ranges	see: 'How To Order' table ±10%
	Nominal 80Hz at 72°F
Frequency Response	600cpm (10Hz) to 300kcpm (5kHz) ± 5%
	- ISO10816
Isolation	Base isolated
Range	see: 'How To Order' table
Transverse Sensitivity	Less than 5%

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	5.9ft. lbs
Weight	5.2 oz. (nominal)
Sheilded Cable Assembly	see: www.hansfordsensors.com for options
Connector	HS-AA004 - non-booted
	HS-AA053 or HS-0054 - booted
Mounting Threads	see: 'How To Order' table

Electrical

 Current Output
 4-20mA DC proportional to acceleration

 Supply Voltage
 15-30 Volts DC (for 4-20mA)

 Settling Time
 2 seconds

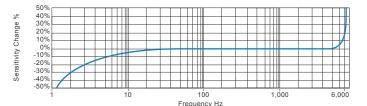
 Output Impedance
 Loop Resistance 600 Ohms max. at 24 Volts

 Case Isolation
 >10⁸ Ohms at 500 Volts

Environmental

Operating Temperature Range Sealing Maximum Shock EMC -13 to 194°F IP68 5000g EN61326-1:2013

Typical Frequency Response



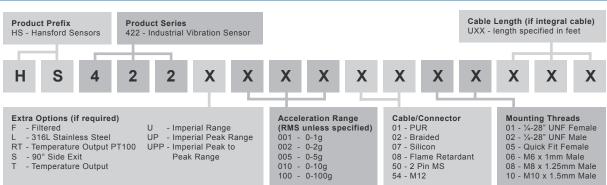
Applications

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.)



How To Order





www.hansfordsensors.com sales@hansfordsensors.com



We reserve the right to alter the specification of this product without prior notice TS194U.2