HS-422S Accelerometer

4-20mA acceleration output via Flame Retardant Cable

Key Features

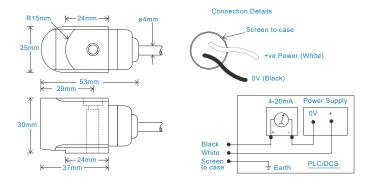
- 4-20mA acceleration output
- For use with PLC/DCS systems
- · Low smoke, halogen free cable

Industries

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



Less than 5%



Technical Performance

 $\begin{array}{ccc} \mbox{Mounted Base Resonance} & 10\mbox{kHz min} \\ \mbox{Acceleration Ranges} & \mbox{see: 'How To Order' table $\pm 10\%$} \\ \mbox{Nominal 80Hz at } 22\mbox{°C} \\ \mbox{Frequency Response} & 10\mbox{Hz} (600\mbox{cpm}) \mbox{ to } 5\mbox{kHz} (300\mbox{kcpm}) $\pm 5\%$} \\ \mbox{- ISO10816} \\ \mbox{Isolation} & \mbox{Base isolated} \\ \mbox{Range} & \mbox{see: 'How To Order' table} \\ \end{array}$

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque 8Nm Mounting Bolt Provided see: 'How To Order' table x 30mm long Weight 185gms (nominal) body only Maximum Cable Length 1000 metres Standard Cable Length Screened Cable Flame Retardant - length to be specified with order Mounting Threads see: 'How To Order' table

Electrical

Transverse Sensitivity

Current Output 4-20mA DC proportional to acceleration
Supply Voltage 15-30 Volts DC (for 4-20mA)
Settling Time 1 second
Output Impedance Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation >10⁸ Ohms at 500 Volts

Environmental

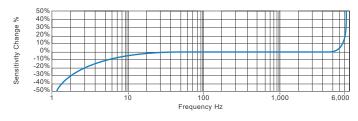
 Operating Temperature Range
 -25 to 90°C

 Sealing
 IP65

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

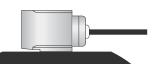
Typical Frequency Response



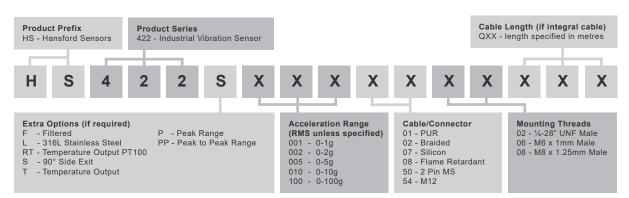
Applications

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





T: 150 210 98804

www.hansfordsensors.com.cn 汉施弗德传感器(上海)有限公司

