HS-421 Accelerometer

4-20mA velocity and AC acceleration output via Silicon Cable

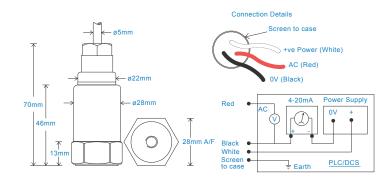
Key Features

- Unique output
- · For use with PLC/DCS systems and data collectors
- · Waterproof

Industries

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





Technical Performance

Mounted Base Resonance 5kHz min Velocity Ranges see: 'How To Order' table ±10% Nominal 80Hz at 22°C Frequency Response 10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816 Isolation Base isolated see: 'How To Order' table Range Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 8Nm Weight 150gms (nominal) 1000 metres Maximum Cable Length Standard Cable Length 5 metres Screened Cable Silicon - length to be specified with order Mounting Threads see: 'How To Order' table Submersible Depth 100 metres max (10 bar)

Electrical

Outputs 4-20mA DC current proportional to Range and AC acceleration Bias Voltage 3 Volts DC (nominal) 15-30 Volts DC (for 4-20mA) Supply Voltage Settling Time 2 seconds Output Impedance

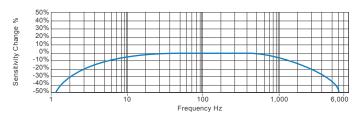
Case Isolation

Loop Resistance 600 Ohms max. at 24 Volts >108 Ohms at 500 Volts

Environmental

-25 to 90°C Operating Temperature Range Sealing IP68 5000g Maximum Shock EN61326-1:2013 **EMC**

Typical Frequency Response



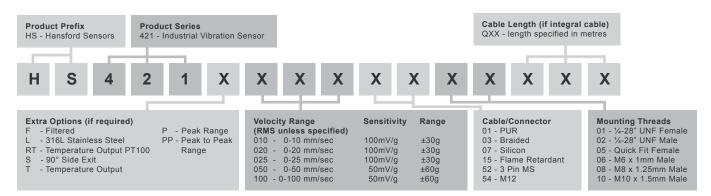
Applications

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



