# **HS-420T Accelerometer**

# 4-20mA velocity and temperature output via PUR Cable

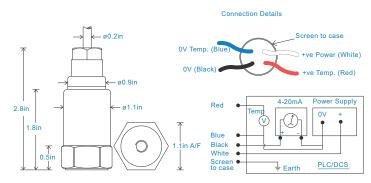
# **Key Features**

- Waterproof
- · Resistant to oil
- Temperature output

#### 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 72°F Frequency Response 600cpm (10Hz) to 60kcpm (1kHz) ± 5% - ISO10816 Isolation Base isolated Range 50g peak Temperature Output 10mV/°C - 0-1V proportional to 32-212°F (to convert this to 4-20mA use the HS-540 module) Transverse Sensitivity Less than 5%

## Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Compression Mounting Torque 5.9ft. lbs 5.2 oz. (nominal) body only Weight Maximum Cable Length 3,280 ft. Standard Cable Length 16 ft. Sheilded Cable PUR - length to be specified with order Mounting Threads see: 'How To Order' table Submersible Depth 328 ft. max (10 bar)

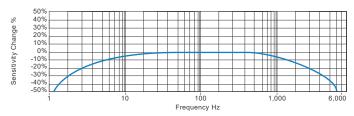
#### **Electrical**

Current Output 4-20mA DC proportional to Velocity Range
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 -13 to 194°F
Sealing IP68
Maximum Shock 5000g
EMC EN61326-1:2013

# Typical Frequency Response



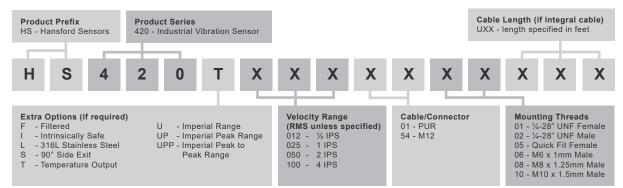
#### **Applications**

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





www.hansfordsensors.com sales@hansfordsensors.com

