HS-150T Premium Accelerometer

AC acceleration and temperature output via FEP Cable with Protective Conduit

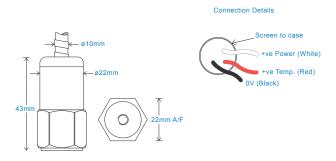
Key Features

- · Resistant to oil
- Protective Conduit
- Premium design

Industries

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





Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 22°C 1.5Hz (90cpm) to 10kHz (600kcpm) ± 5% Frequency Response 0.5Hz (30cpm) to 12kHz (720kcpm) ± 10% 0.2Hz (12cpm) to 15kHz (900kcpm) \pm 3dB Isolation Base isolated see: 'How To Order' table Range 10 mV/ °C standard 100°C - Option 130°C Temperature Transverse Sensitivity Less than 5%

Mechanical

Stainless Steel Case Material Sensing Element/Construction PZT/Shear Mounting Torque Weight 106gms (nominal) body only Screened Cable Assembly see: www.hansfordsensors.com for options Maximum Cable Length 1000 metres Standard Cable Length 5 metres see: 'How To Order' table Mounting Threads Conduit Material 304 Stainless Steel Conduit Length Conduit Length is approx. 0.5m shorter than the cable

Electrical

 Excitation Voltage:
 18-30Volts DC

 Electrical Noise
 0.1mg max

 Current Range
 0.5mA to 8mA

 Bias Voltage
 10 - 12 Volts DC

 Settling Time
 2 seconds

 Output Impedance
 200 Ohms max

 Case Isolation
 >108 Ohms at 500 Volts

Environmental

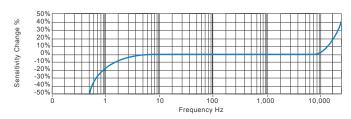
 Operating Temperature Range
 -55 to 150°C

 Sealing
 IP68

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

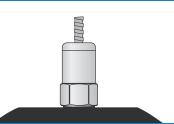
Typical Frequency Response (at 100mV/g)



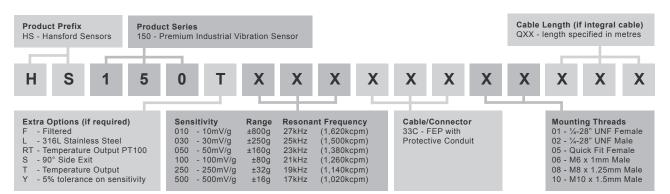
Applications

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





T: 150 210 98804

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

