HS-150 Premium Accelerometer

AC acceleration output via FEP Cable with Protective Conduit

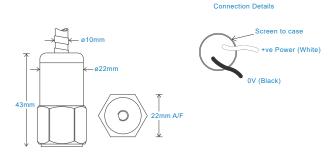
Key Features

- · Resistant to oil
- Protective Conduit
- Premium design

Industries

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





Technical Performance

 $\begin{array}{c} \mbox{Mounted Base Resonance} & \mbox{see 'How To Order' table (nominal)} \\ \mbox{Sensitivity} & \mbox{see: 'How To Order' table $\pm 10\%$} \\ \mbox{Nominal 80Hz at } 22^{\circ}\mbox{C} \\ \mbox{Frequency Response} & 1.5\mbox{Hz (90cpm) to } 10\mbox{kHz (600kcpm)} \pm 5\%$} \\ \mbox{0.5Hz (30cpm) to } 12\mbox{kHz (720kcpm)} \pm 10\%$} \\ \mbox{0.2Hz (12cpm) to } 15\mbox{kHz (900kcpm)} \pm 3\mbox{dB} \\ \mbox{Isolation} & \mbox{Base isolated} \\ \mbox{Range} & \mbox{see: 'How To Order' table} \\ \mbox{Transverse Sensitivity} & \mbox{Less than } 5\%$ \\ \end{array}$

Mechanical

Case Material Stainless Steel 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 Mounting Threads see: 'How To Order' table Conduit Material 304 Stainless Steel Conduit Length is approx. 0.5m shorter than the cable Conduit Length Maximum Conduit Length:30m

Electrical

 Excitation Voltage:
 18-30 Volts 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

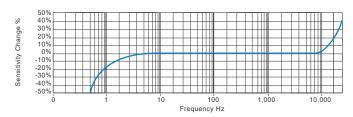
 Operating Temperature Range
 -55 to 150°C

 Sealing
 IP65

 Maximum Shock
 5000g

 EMC
 EN61326-1:2013

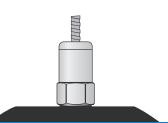
Typical Frequency Response (at 100mV/g)



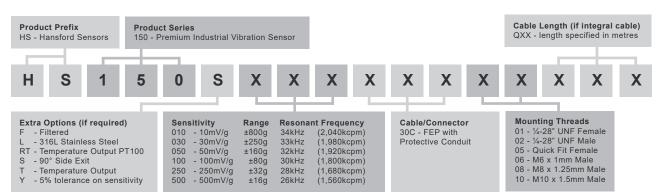
Applications

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





www.hansfordsensors.com sales@hansfordsensors.com

