HS-150ST Premium Accelerometer

AC acceleration and temperature output via FEP Cable with Protective Conduit

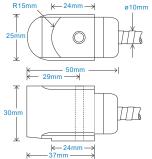
Key Features

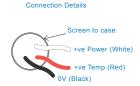
- · Resistant to oil
- Protective Conduit
- · Premium design

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 150°C Temperature Transverse Sensitivity Less than 5%

Mechanical

Case Material Stainless Steel Sensing Element/Construction PZT/Shear Mounting Torque 8Nm Mounting Bolt provided see: 'How To Order' table x 35mm long 205gms (nominal) body only Maximum Cable Length 1000 metres Standard Cable Length 5 metres Screened Cable FEP - length to be specified with order Mounting Threads see: 'How To Order' table **Conduit Material** 316 Stainless Steel Conduit Length Conduit Length is approx. 0.5m shorter than the cable

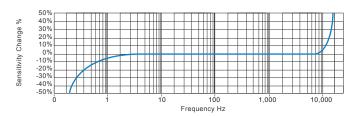
Electrical

Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
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

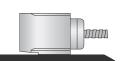
Typical Frequency Response (at 100mV/g)



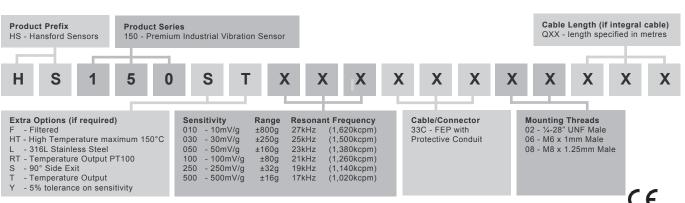
Applications

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





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