HS-150ST Premium Accelerometer

AC acceleration and temperature output via PUR Cable

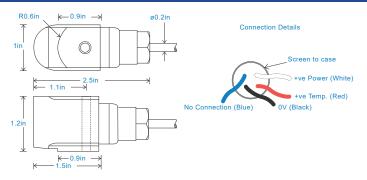
Key Features

- Temperature output
- · Side entry for easy access
- Waterproof
- · Resistant to oil

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 72°F
Frequency Response	90cpm (1.5Hz) to 600kcpm (10kHz) ± 5%
	30cpm (0.5Hz) to 720kcpm (12kHz) ± 10%
	12cpm (0.2Hz) to 900kcpm (15kHz) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Temperature Output	10 mV/ºC standard 212°F - Option 300°F
Transverse Sensitivity	Less than 5%

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	8Nm
Mounting Bolt Provided	see: 'How To Order' table x 35mm long
Weight	205gms (nominal) body only
Maximum Cable Length	1000 metres
Standard Cable Length	5 metres
Shielded Cable	PUR - length to be specified with order
Mounting Threads	see: 'How To Order' table
Submersible Depth	100 metres max (10 bar)

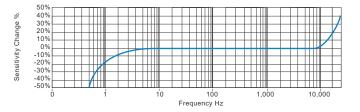
Electrical		Er
Excitation Voltage:	18-30Volts DC	Op
Electrical Noise	0.1mg max	Sea
Current Range	0.5mA to 8mA	Ма
Bias Voltage	10 - 12 Volts DC	EM
Settling Time	1 second	
Output Impedance	200 Ohms max.	
Case Isolation	>10 ⁸ Ohms at 500 Volts	

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Mechanical

Operating Temperature Range Sealing Maximum Shock EMC -22 to 194°F IP68 5000g EN61326-1:2013

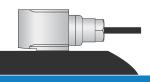
Typical Frequency Response (at 100mV/g)



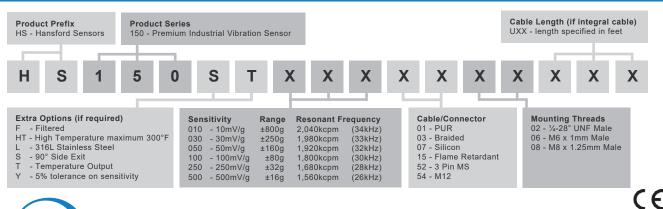
Applications

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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We reserve the right to alter the specification of this product without prior notice