

HS-100ST Accelerometer

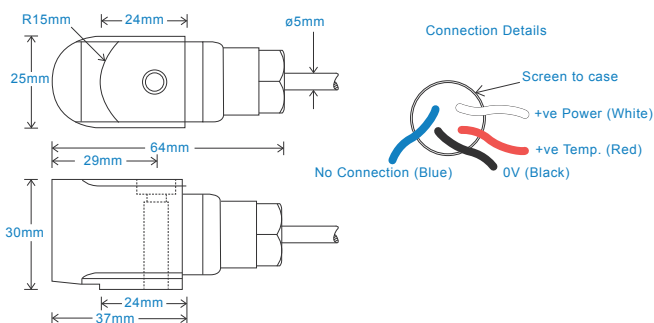
AC acceleration and temperature output via PUR Cable

Key Features

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

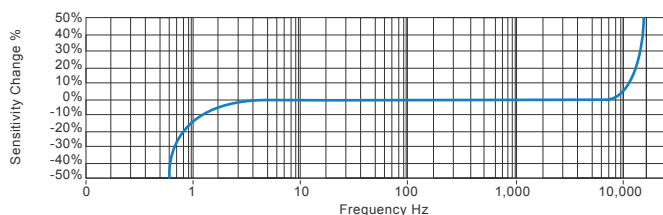
Industries

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



Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table $\pm 10\%$	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) $\pm 5\%$	Mounting Bolt Provided	see: 'How To Order' table x 30mm long
	1.5Hz (90cpm) to 12kHz (720kcpm) $\pm 10\%$	Weight	185gms (nominal) body only
	0.8Hz (48cpm) to 15kHz (900kcpm) $\pm 3\text{dB}$	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	PUR - length to be specified with order
Temperature Output	10 mV/°C standard 90°C	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%	Submersible Depth	100 metres max. (10 bar)

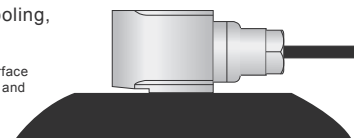
Electrical		Environmental	
Excitation Voltage	18-30Volts DC	Operating Temperature Range	-30 to 90°C
Electrical Noise	0.1mg max	Sealing	IP68
Current Range	0.5mA to 8mA	Maximum Shock	5000g
Bias Voltage	10 - 12 Volts DC	EMC	EN61326-1:2013
Settling Time	2 seconds		
Output Impedance	200 Ohms max.		
Case Isolation	>10 ⁸ Ohms at 500 Volts		



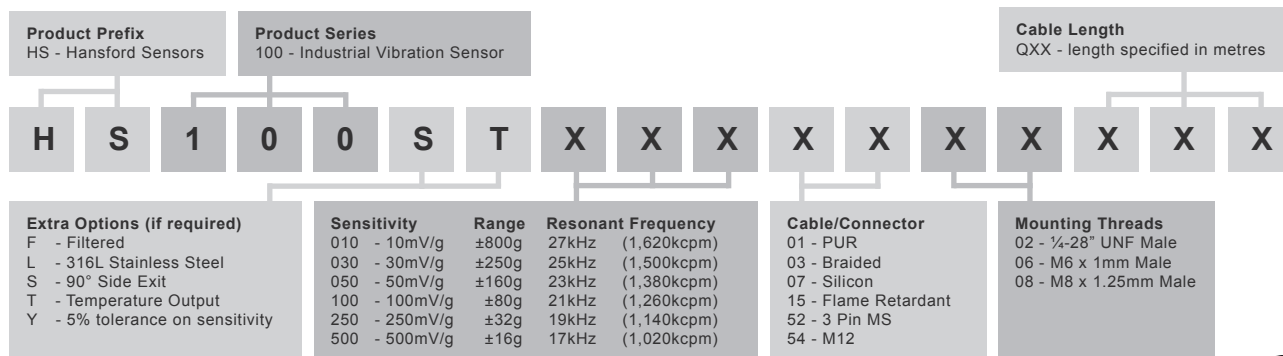
Applications

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

TS191.7

