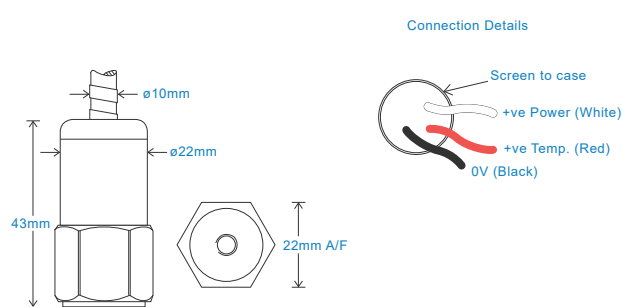


AC acceleration and temperature output via FEP Cable with Protective Conduit

- Resistant to oil
- Protective Conduit
- Premium design

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



Electrical		Environmental	
Excitation Voltage:	18-30Volts DC	Operating Temperature Range	-55 to 140°C
Electrical Noise	0.1mg max	Sealing	IP65
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		

Typical Frequency Response (at 100mV/g)

The graph shows a typical frequency response for a vibration sensor. The x-axis represents Frequency in Hz on a logarithmic scale from 0 to 10,000. The y-axis represents Sensitivity Change in percent, ranging from -50% to 50%. The response is flat at 0% sensitivity change between approximately 1 Hz and 10,000 Hz. Below 1 Hz, the sensitivity drops sharply, reaching -50% at 0.5 Hz. Above 10,000 Hz, the sensitivity rises sharply, reaching 50% at 20,000 Hz.

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.)

Product Prefix HS - Hansford Sensors		Product Series 100 - Industrial Vibration Sensor						Cable Length (if integral cable) QXX - length specified in metres							
H S		1 0 0 T X X X X X X X X X X													
Extra Options (if required) F - Filtered L - 316L Stainless Steel RT - Temperature Output PT100 S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensitivity		Sensitivity 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g		Range ±800g ±250g ±160g ±80g ±32g ±16g		Resonant Frequency 27kHz (1,620kcpm) 25kHz (1,500kcpm) 23kHz (1,380kcpm) 21kHz (1,260kcpm) 19kHz (1,140kcpm) 17kHz (1,020kcpm)		Cable/Connector 33C - FEP with Protective Conduit		Mounting Threads 01 - ¼-28" UNF Female 02 - ¼-28" UNF Male 05 - Quick Fit Female 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male 10 - M10 x 1.5mm Male					



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

TS874.5

