

AC acceleration and temperature output via 4 Core PUR Cable with Removable Stainless Steel Conduit

- Temperature output
- Waterproof to IP68
- Side entry for easy access
- Removable Stainless Steel Conduit

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

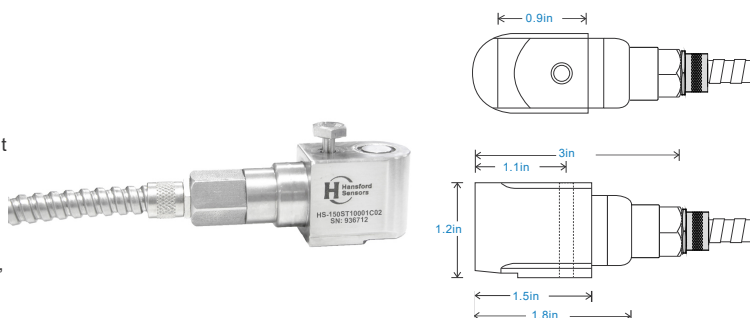


Diagram illustrating a 4-wire RTD connection. The wires are labeled as follows:

- Screen to case (White)
- +ve Power (White)
- +ve Temp. (Red)
- 0V (Black)
- No Connection (Blue)

Electrical		Environmental	
Excitation Voltage:	18-30Volts DC	Operating Temperature Range	-22 to 194°F
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		

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 percentage from -50% to 50%. The response is flat at 0% between 1 Hz and 1000 Hz. Below 1 Hz, the sensitivity drops to approximately -45% at 0.5 Hz. Above 1000 Hz, the sensitivity rises to approximately +40% at 10,000 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		Product Series					Cable Length (if integral cable)								
HS - Hansford Sensors		150 - Premium Industrial Vibration Sensor					UXX - length specified in feet								
H	S	1	5	0	S	T	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered HT - High Temperature maximum 300°F 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 34kHz (2,040kcpm) 33kHz (1,980kcpm) 32kHz (1,920kcpm) 30kHz (1,800kcpm) 28kHz (1,680kcpm) 26kHz (1,560kcpm)		Cable/Connector 01C - 4 Core PUR Cable with removable Stainless Steel Conduit 07C - 3 Core Silicon Cable with removable Stainless Steel Conduit		Mounting Threads 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male					



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

TS999U.4

