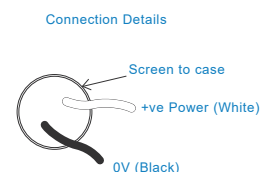
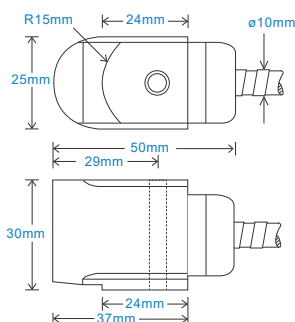
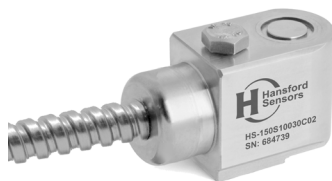


### AC acceleration output via FEP Cable with Protective Conduit

- Resistant to oil
- Protective Conduit
- Premium design

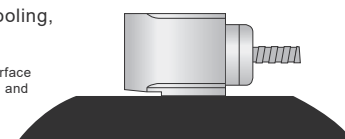
Building services, Pulp and Paper,  
Mining, Metals, Utilities, Automotive,  
Water, Pharmaceutical



Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Shear
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	1.5Hz (90cpm) to 10kHz (600kcpm) ± 5%	Mounting Bolt provided	see: 'How To Order' table x 35mm long
	0.5Hz (30cpm) to 12kHz (720kcpm) ± 10%	Weight	205gms (nominal) body only
	0.2Hz (12cpm) to 15kHz (900kcpm) ± 3dB	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	FEP - length to be specified with order
Transverse Sensitivity	Less than 5%	Mounting Threads	see: 'How To Order' table
		Conduit Material	316 Stainless Steel
		Conduit Length	Conduit Length is approx. 0.5m shorter than the cable Maximum Conduit Length:30m

Electrical		Environmental	
Excitation Voltage:	18-30Volts DC	Operating Temperature Range	-55 to 150°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 <sup>8</sup> Ohms at 500 Volts		

Fans, Motors, Pumps, Compressors,  
Centrifuges, Conveyors, Air Handlers,  
Gearboxes, Rolls, Dryers, Presses,  
Cooling, VAC, Spindles, Machine Tooling,  
Process Equipment



Product Prefix HS - Hansford Sensors		Product Series 150 - Premium Industrial Vibration Sensor				Cable Length (if integral cable) QXX - length specified in metres										
<b>H</b>	<b>S</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>S</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Extra Options (if required)</b> F - Filtered L - 316L Stainless Steel RT - Temperature Output PT100 S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensitivity		<b>Sensitivity</b> 010 - 10mV/g 030 - 30mV/g 050 - 50mV/g 100 - 100mV/g 250 - 250mV/g 500 - 500mV/g		<b>Range</b> ±800g ±250g ±160g ±80g ±32g ±16g		<b>Resonant Frequency</b> 34kHz (2,040kcpm) 33kHz (1,980kcpm) 30kHz (1,800kcpm) 28kHz (1,680kcpm) 26kHz (1,560kcpm)		<b>Cable/Connector</b> 30C - FEP with Protective Conduit		<b>Mounting Threads</b> 02 - ¼-28" UNF Male 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male						



www.hansfordsensors.com  
sales@hansfordsensors.com

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

TS778.8

