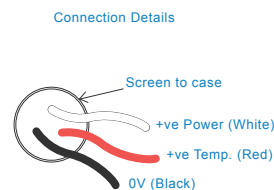
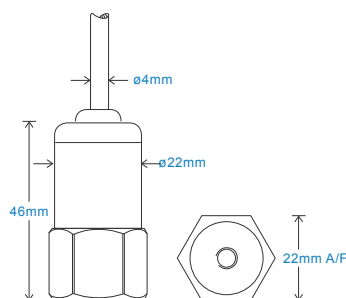


AC acceleration and temperature output via Flame Retardant Cable

- Temperature output
- Low smoke, halogen free cable
- For use with data collector

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

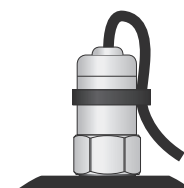


Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table $\pm 10\%$	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) $\pm 5\%$	Weight	106gms (nominal) body only
	1.5Hz (90cpm) to 12kHz (720kcpm) $\pm 10\%$	Maximum Cable Length	1000 metres
	0.8Hz (48cpm) to 15kHz (900kcpm) $\pm 3\text{dB}$	Standard Cable Length	5 metres
Isolation	Base isolated	Screened Cable	Flame Retardant - length to be specified with order
Range	see: 'How To Order' table	Mounting Threads	see: 'How To Order' table
Temperature Output	10 mV/°C standard 100°C - Option 140°C		
Transverse Sensitivity	Less than 5%		

Electrical		Environmental	
Excitation Voltage	18-30 Volts DC	Operating Temperature Range	-40 to 100°C
Electrical Noise	0.5mA to 8mA	Sealing	IP65
Current Range	10 - 12 Volts DC	Maximum Shock	5000g
Bias Voltage	2 seconds	EMC	EN61326-1:2013
Settling Time	200 Ohms max.		
Output Impedance	>10 ⁸ Ohms at 500 Volts		
Case Isolation			

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									
HS - Hansford Sensors		100 - Industrial Vibration Sensor				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)		Sensitivity		Range		Resonant Frequency				Cable/Connector			Mounting Threads		
F - Filtered		010 - 10mV/g		±800g		34kHz (2,040kcpm)				01 - PUR			01 - ¼-28" UNF Female		
I - Intrinsically Safe		030 - 30mV/g		±250g		33kHz (1,980kcpm)				03 - Braided			02 - ½-28" UNF Male		
L - 316L Stainless Steel		050 - 50mV/g		±160g		32kHz (1,920kcpm)				07 - Silicon			05 - Quick Fit Female		
S - 90° Side Exit		100 - 100mV/g		±80g		30kHz (1,800kcpm)				15 - Flame Retardant			06 - M6 x 1mm Male		
T - Temperature Output		250 - 250mV/g		±32g		28kHz (1,680kcpm)				52 - 3 Pin MS			08 - M8 x 1.25mm Male		
Y - 5% tolerance on sensitivity		500 - 500mV/g		±16g		26kHz (1,560kcpm)				54 - M12			10 - M10 x 1.5mm Male		



www.hansfordsensors.com
sales@hansfordsensors.com

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

TS468.3

