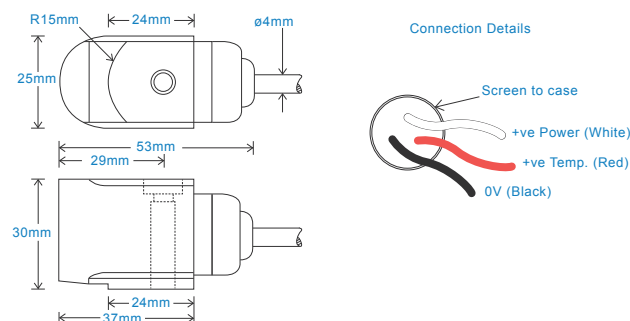


## AC acceleration and temperature output via Braided Cable

- Temperature output
- Side entry for easy access
- For use with data collector

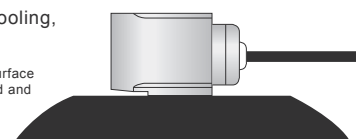
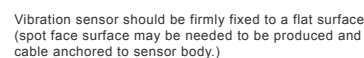
Building services, Pulp and Paper,  
Mining, Metals, Utilities, Automotive,  
Water, Pharmaceutical



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) $\pm 5\%$	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	Braided - length to be specified with order
Temperature Output	10 mV/°C standard 100°C - Option 140°C	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%		

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 <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**  
100 - Industrial Vibration Sensor

**Cable Length**  
QXX - length specified in metres

**Extra Options (if required)**  
F - Filtered  
L - 316L Stainless Steel  
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**  
01 - PUR  
03 - Braided  
07 - Silicon  
15 - Flame Retardant  
52 - 3 Pin MS  
54 - M12

**Mounting Threads**  
02 - 1/4-28 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

TS043.8

