

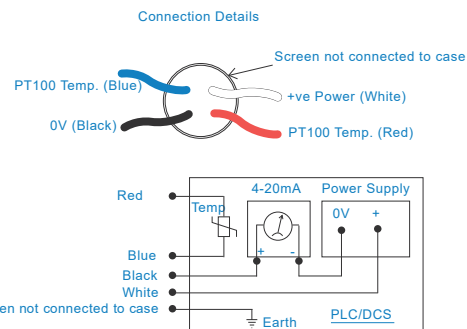
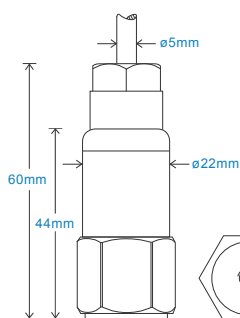
4-20mA velocity and PT100 temperature output via PUR Cable

Key Features

- Waterproof
- Resistant to oil
- PT100 temperature output

Industries

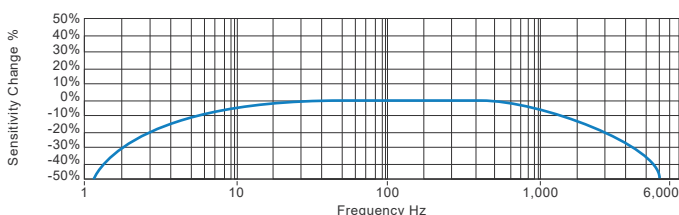
Building services, Pulp and Paper,
Mining, Metals, Utilities, Automotive,
Water, Pharmaceutical



Technical Performance			Mechanical	
Mounted Base Resonance		5kHz min	Case Material	Stainless Steel
Velocity Ranges	see: 'How To Order' table	±10%	Sensing Element/Construction	PZT/Compression
		Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816		Weight	100gms (nominal) body only
Isolation		Base isolated	Maximum Cable Length	1000 metres
Range		50g peak	Standard Cable Length	5 metres
Temperature Output		PT100 (100 Ohms)	Screened Cable	PUR - length to be specified with order
Transverse Sensitivity		Less than 5%	Mounting Threads	see: 'How To Order' table
			Submersible Depth	100 metres max (10 bar)

Electrical		Environmental	
Current Output	4-20mA DC proportional to Velocity Range	Operating Temperature Range	-25 to 90°C
Supply Voltage	15-30 Volts DC (for 4-20mA)	Sealing	IP68
Settling Time	2 seconds	Maximum Shock	5000g
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts	EMC	EN61326-1:2013
Case Isolation	>10 ⁸ Ohms at 500 Volts		

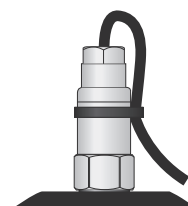
Typical Frequency Response



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.)



How To Order

Product Prefix
HS - Hansford Sensors

Product Series
420 - Industrial Vibration Sensor

Extra Options (if required)
F - Filtered
I - Intrinsically Safe
L - 316L Stainless Steel
RT - Temperature Output PT100
S - 90° Side Exit

Velocity Range (RMS unless specified)
010 - 0-10 mm/sec
020 - 0-20 mm/sec
025 - 0-25 mm/sec
050 - 0-50 mm/sec
100 - 0-100 mm/sec

Cable/Connector
01 - PUR
54 - M12

Cable Length (if integral cable)
QXX - length specified in metres

Mounting Threads
01 - 1/4-28" UNF Female
02 - 1/4-28" 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.

