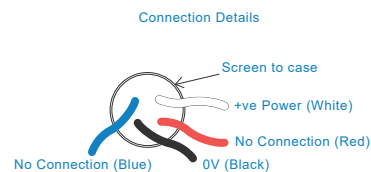
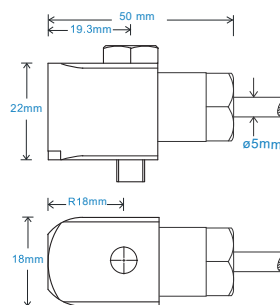


AC acceleration output via PUR Cable

- Mini compact design
- Waterproof
- Side entry for easy access

Automotive, Machine Tools, OEM

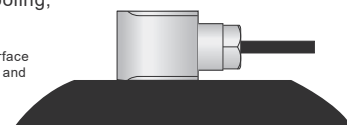


Technical Performance		Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table $\pm 10\%$	Sensing Element/Construction	PZT/Shear
	Nominal 80Hz at 22°C	Mounting Torque	8 Nm
Frequency Response	2Hz (120cpm) to 14kHz (840kcpm) $\pm 5\%$	Mounting Bolt Provided	see: 'How To Order' table x 27mm long
	1.5Hz (90cpm) to 16kHz (960kcpm) $\pm 10\%$	Weight	83gms (nominal) body only
	0.8Hz (48cpm) to 19kHz (1,140kcpm) $\pm 3\text{dB}$	Maximum Cable Length	1000 metres
Isolation	Base isolated	Standard Cable Length	5 metres
Range	see: 'How To Order' table	Screened Cable	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	
Electrical Noise	0.1mg max	Operating Temperature Range	-30 to 90°C
Current Range	0.5mA to 8mA	Sealing	IP68
Bias Voltage	10 - 12 Volts DC	Maximum Shock	5000g
Settling Time	1 second	EMC	EN61326-1:2013
Output Impedance	200 Ohms max.		
Case Isolation	>10 ⁸ Ohms at 500 Volts		

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 HS - Hansford Sensors		Product Series 180 - Compact Premium Industrial Vibration Sensor										Cable Length (if integral cable) QXX - length specified in metres			
H	S	1	8	0	S	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered L - 316L Stainless Steel S - 90° Side Exit Y - 5% tolerance on sensitivity		Sensitivity 010 - 10mV/g 100 - 100mV/g		Range ±800g ±80g		Resonant Frequency 30kHz (1,800kcpm) 24kHz (1,440kcpm)		Cable/Connector 01 - PUR 07 - Silicon 08 - Flame Retardant 50 - 2 Pin MS 54 - M12			Mounting Threads 02 - ¼-28" UNF Male 06 - M6 x 1mm Male				



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

TS1387

