HS-150 Premium Accelerometer AC acceleration output via PUR Cable

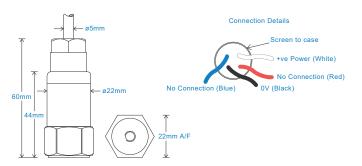
Key Features

- Waterproof
- · Resistant to oil
- Premium design

Industries

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

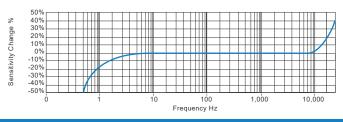




Technical Performance)	Mechanical	
Mounted Base Resonance	see 'How To Order' table (nominal)	Case Material	Stainless Steel
Sensitivity	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Shear
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response	1.5Hz (90cpm) to 10kHz (600kcpm) ± 5%	Weight	106gms (nominal) body only
	0.5Hz (30cpm) to 12kHz (720kcpm) ± 10%	Maximum Cable Length	1000 metres
	0.2Hz (12cpm) to 15kHz (900kcpm) ± 3dB	Standard Cable Length	5 metres
Isolation	Base isolated	Screened Cable	PUR - length to be specified with order
Range	see: 'How To Order' table	Mounting Threads	see: 'How To Order' table
Transverse Sensitivity	Less than 5%	Submersible Depth	100 metres max (10 bar)

Electrical	
Excitation Voltage:	18-30Volts DC
Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	2 seconds
Output Impedance	200 Ohms max.
Case Isolation	>10 ⁸ Ohms at 500 Volts

Typical Frequency Response (at 100mV/g)



Applications

Environmental

Sealing Maximum Shock

EMC

Operating Temperature Range

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.)



-30 to 90°C

EN61326-1:2013

IP68

5000g

How To Order

Product Prefix Product Series HS - Hansford Sensors 150 - Premium Industrial V				ibration Sensor						Cable Length (if integral cable) QXX - length specified in metres			
H S 1	5	0	X	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered L - 316L Stainless Steel RT - Temperature Output PT100 S - 90° Side Exit T - Temperature Output Y - 5% tolerance on sensitivity		Sensitivity Range Resonal 010 10mV/g ±800g 34kHz 030 -30mV/g ±250g 33kHz 050 -50mV/g ±160g 32kHz 100 -100mV/g ±80g 30kHz 250 -250mV/g ±32g 28kHz 500 -500mV/g ±16g 26kHz			nt Freque (2,040kg (1,980kg (1,920kg (1,800kg (1,680kg (1,560kg	:pm) :pm) :pm) :pm) :pm)	Cable/Connector 01 - PUR 02 - Braided 07 - Silicon 08 - Flame Retardant 50 - 2 Pin MS 54 - M12			Mounting Threads 01 - ¼-28" UNF Female 02 - ¼-28" UNF Male 05 - Quick Fit Female 06 - M6 x 1mm Male 08 - M8 x 1.25mm Male 10 - M10 x 1.5mm Male			



www.hansfordsensors.com sales@hansfordsensors.com

CE

We reserve the right to alter the specification of this product without prior notice TS278.8