HS-100 Accelerometer

AC acceleration output via PUR Cable

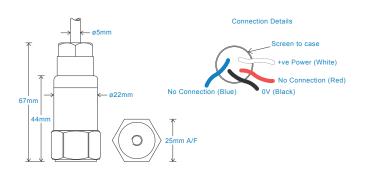
Key Features

- Most common seller
- For use with data collector
- Customisable features

Industries

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

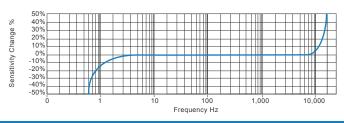




Technical Performance Mechanical Mounted Base Resonance see 'How To Order' table (nominal) Case Material Stainless Steel Sensitivity see: 'How To Order' table ±10% Sensing Element/Construction PZT/Compression Nominal 80Hz at 22°C Mounting Torque 8Nm 2Hz (120cpm) to 10kHz (600kcpm) ± 5% Frequency Response Weight 125gms (nominal) 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% Maximum Cable Length 1000 metres 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB Standard Cable Length 5 metres Isolation Base isolated Screened Cable PUR - length to be specified with order see: 'How To Order' table Mounting Threads see: 'How To Order' table Range Transverse Sensitivity Less than 5% Submersible Depth 100 metres max (10 bar)

Electrical	
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 100 - Industrial Vibration Sensor											e Length (if integral cable) - length specified in metres		
H S 1	0	0	X	X	X	X	X	X	X	X	X	X	X
Extra Options (if required) F - Filtered I - Intrinsically Safe L - 316L Stainless Steel RT - Temperature Output PT100 T - Temperature Output Y - 5% tolerance on sensitivity		010 - 10mV/g ±800 030 - 30mV/g ±250 050 - 50mV/g ±160 100 - 100mV/g ±80 250 - 250mV/g ±32		Range ±800g ±250g ±160g ±80g ±32g ±16g	28kHz (1,680kcpm) 26kHz (1,560kcpm) 24kHz (1,440kcpm) 22kHz (1,320kcpm) 20kHz (1,200kcpm)			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		



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CE

We reserve the right to alter the specification of this product without prior notice TS083.6