HS-107S Accelerometer

AC acceleration output via M12 Connector

Key Features

- Line drive
- Customisable features
- For use with data collector
- Side entry for easy access

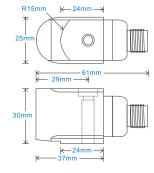
Industries

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

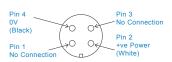


see: 'How To Order' table

Less than 5%



Connection Details



Technical Performance Mounted Base Resonance see 'How To Order' table (nominal) Sensitivity see: 'How To Order' table ±10% Nominal 80Hz at 22°C Nominal 80Hz at 22°C Frequency Response 2Hz (120cpm) to 10kHz (600kcpm) ± 5% 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB Isolation Base isolated

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Mounting Bolt provided	see: 'How To Order' table x 30mm long
Weight	185gms (nominal) body only
Screened Cable Assembly	HS-AC010 - straight
	HS-AC011 - right angle
Mounting Threads	see: 'How To Order' table

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Transverse Sensitivity

Range

Eloounoun	
Electrical Noise	0.1mg max
Supply Voltage	7.5 - 24Volts DC
Bias Current	3.5mA
Settling Time	2 seconds
Output Impedance	200 Ohms max.
Case Isolation	>10 ⁸ Ohms at 500 Volts

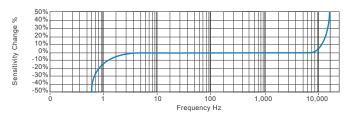
Environmental

Mechanical

Operating Temperature Range Sealing Maximum Shock EMC

-55 to	140°C
	IP67
	5000g
EN61326-	1:2013

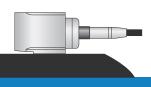
Typical Frequency Response



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.)



CE

UK CA

How To Order

Product Prefix Product Series HS - Hansford Sensors 107 - Industrial Vibration Sensor									Cable Length QXX - length specified in metres			
H S 1 0	7 S	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 010 - 10μA/g 050 - 50μA/g (other	±16g	28kHz	t Frequen (1,680kcpi (1,440kcpi request)	m)	01 - Pl 02 - Br 07 - Si 08 - Fl	aided licon ame Retar Pin MS		02 - ¼ 06 - M	t ing Threa -28" UNF 6 x 1mm № 8 x 1.25m	Male Male	



www.hansfordsensors.com sales@hansfordsensors.com

We reserve the right to alter the specification of this product without prior notice \$\$TS1099.2\$