HS-100F Accelerometer

AC acceleration output via Braided Cable

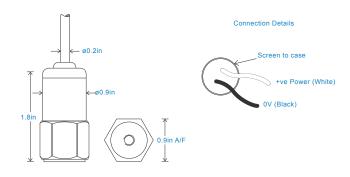
Key Features

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

Industries

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





Technical Performance

Mounted Base Resonance	e see 'How To Order' table (nominal)	С
Sensitivity	see: 'How To Order' table ±10%	S
	Nominal 80Hz at 72°F	M
Frequency Response	90cpm (1.5Hz) to 600kcpm (10kHz) ± 5%	V
	30cpm (0.5Hz) to 720kcpm (12kHz) ± 10%	M
	12cpm (0.2Hz) to 900kcpm (15kHz) ± 3dB	S
Isolation	Base isolated	S
Range	see: 'How To Order' table	M
Transverse Sensitivity	Less than 5%	

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	106gms (nominal) body only
Maximum Cable Length	1000 metres
Standard Cable Length	5 metres
Shielded Cable	Braided - length to be specified with order
Mounting Threads	see: 'How To Order' table

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

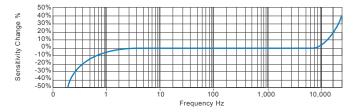
Environmental Operating Temperature Range

Mechanical

operating	remperature	Range
Sealing		
Maximum	Shock	
EMC		

-6	7 to	284°	F
		IP6	5
		5000	g
EN613	26-	1:201	3

Typical Frequency Response (at 100mV/g)



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 PrefixProduct SeriesHS - Hansford Sensors100 - Industrial Vibration Sensor								Length length spe	cified in fe	eet
H S 1	0 0 F	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 PT10 T - Temperature Output Y - 5% tolerance on sensitivi	250 - 250mV/g	±800g 1 ±250g 1 ±160g 1 ±80g 1 ±32g 1	1,560kcpm (2 1,440kcpm (2 1,320kcpm (2 1,200kcpm (2	Jency (88kHz) (66kHz) (44kHz) (28kHz) (06kHz) (86kHz)	01 - PU 02 - Bra 07 - Sili	iided con me Retare in MS		01 - ¼- 02 - ¼- 05 - Qu 06 - M6 08 - M8	ng Threa 28" UNF I 28" UNF I nick Fit Fe 3 x 1mm M 3 x 1.25mr 0 x 1.5mr	Female Male male Male m Male



www.hansfordsensors.com sales@hansfordsensors.com

We reserve the right to alter the specification of this product without prior notice \$\$T\$\$1250.5

