HS-421 Accelerometer 4-20mA velocity and AC acceleration output via M12 Connector



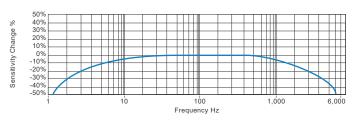
Technical Performance		Mechanical
Mounted Base Resonance	5kHz min	Case Material
Velocity Ranges	see: 'How To Order' table ±10%	Sensing Elemer
	Nominal 80Hz at 22°C	Mounting Torque
Frequency Response: 4-20mA	10Hz (600cpm) to 1kHz (60kcpm) ± 5%	Weight
	- ISO10816	Screened Cable
Frequency Response: AC	2Hz (120cpm) to 10kHz (600kcpm) ± 5%	
	- ISO10816	Mounting Threa
Isolation	Base isolated	
Range	see: 'How To Order' table	
Transverse Sensitivity	Less than 5%	

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	150gms (nominal) body only
Screened Cable Assembly	HS-AC010 - straight
	HS-AC011 - right angle
Mounting Threads	see: 'How To Order' table

Electrical

Outputs	4-20mA DC current proportional to
	Range and AC acceleration
Bias Voltage	3 Volts DC (nominal)
Supply Voltage	15-30 Volts DC (for 4-20mA)
Settling Time	2 seconds
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts
Case Isolation	>10 ⁸ Ohms at 500 Volts

Typical Frequency Response (4-20mA signal)



Environmental

Operating Temperature Range Sealing Maximum Shock EMC

-25 to 120°C IP67 5000g EN61326-1:2013

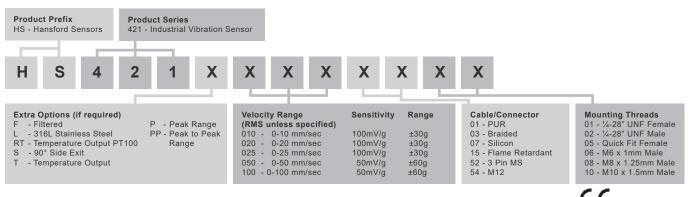
Applications

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





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