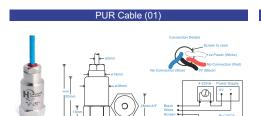
HS-420 Accelerometer

4-20mA Velocity Output



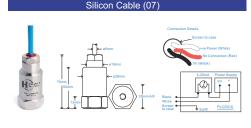
Cable and Connector Options



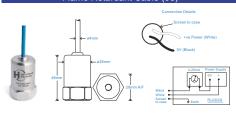
Cable/Connector		
Screened Cable	PUR	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

Connection Datals Screen to case +vs Power (White) OV (Black) Stem AF White Label Connection Cable Connection Cab

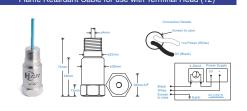
Cable/Connector		
Screened Cable	Braided	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 120°C	
Sealing	IP65	
Maximum Shock	5000g	
EMC	EN61326-1:2013	



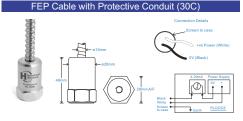
Cable/Connector		
Screened Cable	Silicon	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 120°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	



Cable/Connector		
Screened Cable	Flame Retardant	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP65	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

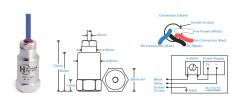


Cable/Connector		
Screened Cable	Flame Retardant for Terminal Head	
External cable length	site cable up to 1000 metres	
Internal cable length	up to 300 metres	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP65	
Maximum Shock	5000g	
EMC	EN61326-1:2013	



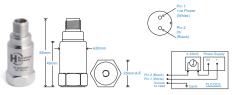
Cable/Connector		
Screened Cable	FEP with Protective Conduit	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 120°C	
Sealing	IP65	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

4 Core Polyolefin HFFR (37)



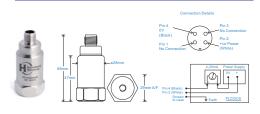
Cable/Connector		
Screened Cable	4-Core Polyolefin HFFR	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-55 to 130°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	





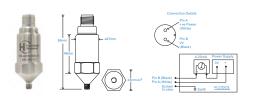
Screened Cable Assembly	2 Pin MS	
Connector	HS-AA004 - non-booted	
	HS-AA053 or HS-0054 - booted	
Environmental		
Operating Temperature Range	-25 to 120°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

M12 Connector (54)



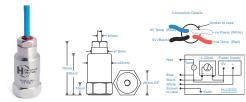
Screened Cable Assembly	M12 Connector	
Connector	HS-AC010 - straight	
	HS-AC011 - right angle	
Environmental		
Operating Temperature Range	-25 to 120°C	
Sealing	IP67	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

Pin MS with Conical Mounting (50) PUR Cab



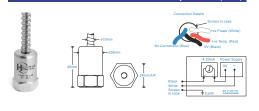
Cable/Connector			
Screened Cable	2 Pin MS		
Connector	HS-AA004 - non-booted		
	HS-AA053 or HS-0054 - booted		
Environmental			
Operating Temperature Range	-25 to 120°C		
Sealing	IP68		
Maximum Shock	5000g		
EMC	EN61326-1:2013		

PUR Cable **Temperature** (01)



Cable/Connector		
Screened Cable	PUR Cable	
Maximum Cable Length	1000 metres	
Standard Cable Length	5 metres	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

EED Cable with Protective Conduit Temperature (33C)

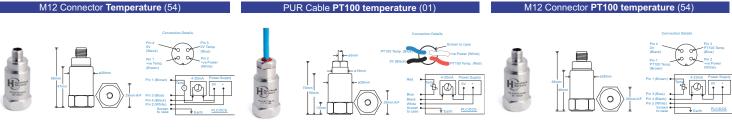


	Cable/Collifector	
	Screened Cable	FEP with Protective Conduit
	Maximum cable length	1000 metres
	Standard cable length	5 metres
Environmental		ntal
	Operating Temperature Range	-25 to 90°C
	Sealing	IP65
	Maximum Shock	5000g
	EMC	EN61326-1:2013

HS-420 Accelerometer







Cable/Connector		
Screened Cable	M12 Connector	
Connector	HS-AC010 - straight	
	HS-AC011 - right angle	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP67	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

Cable/Connector		
Screened Cable	PUR Cable	
Maximum cable length	1000 metres	
Standard cable length	5 metres	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP68	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

Cable/Connector		
Screened Cable	M12 Connector	
Connector	HS-AC010 - straight	
	HS-AC011 - right angle	
Environmental		
Operating Temperature Range	-25 to 90°C	
Sealing	IP67	
Maximum Shock	5000g	
EMC	EN61326-1:2013	

Technical Performance

Mounted Base Resonance 5kHz min
Sensitivity see: 'How To Order' table ±10%

Nominal 80Hz at 22°C
Frequency Response 10Hz (600cpm) to 1kHz (60kcpm) ±5% - ISO10816
Isolation Base isolated
Range 50g peak
Transverse Sensitivity Less than 5%

Mechanical

Case MaterialStainless SteelSensing Element/ConstructionPZT/CompressionMounting Torque8NmWeight150gms (nominal) body onlyMounting Threadssee: 'How To Order' table

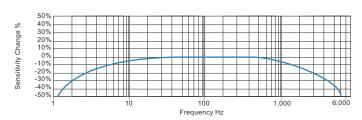
Electrical

Current Output 4-20mA DC proportional to Velocity Range
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 >108 Ohms at 500 Volts

Industries

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

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

