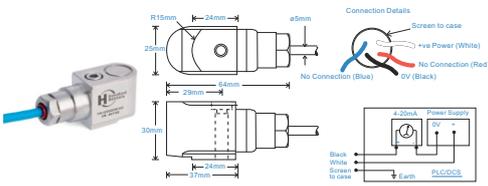


HS-420S Accelerometer

4-20mA Velocity Output

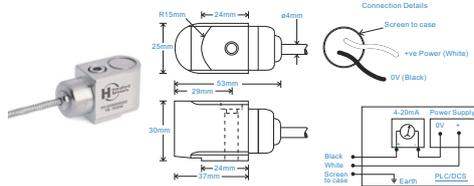
Cable and Connector Options

PUR Cable (01)



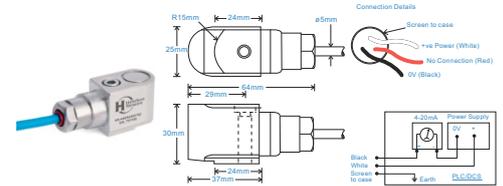
Cable/Connector	
Screened Cable	PUR Cable
Maximum cable length	1000 metres
Standard cable length	5 metres
Environmental	
Operating Temperature Range	-25 to 90°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Braided Cable (02)



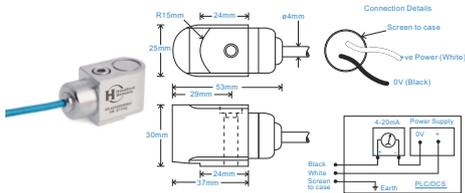
Cable/Connector	
Screened Cable	Braided Cable
Maximum cable length	1000 metres
Standard cable length	5 metres
Environmental	
Operating Temperature Range	-25 to 120°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Silicon Cable (07)



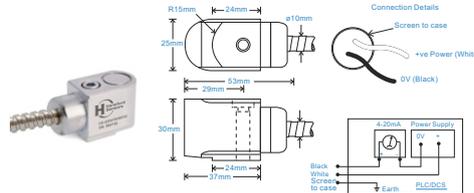
Cable/Connector	
Screened Cable	Silicon Cable
Maximum cable length	1000 metres
Standard cable length	5 metres
Environmental	
Operating Temperature Range	-25 to 120°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Flame Retardant Cable (08)



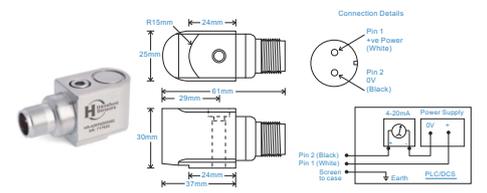
Cable/Connector	
Screened Cable	Flame Retardant
Maximum cable length	1000 metres
Standard cable length	5 metres
Environmental	
Operating Temperature Range	-25 to 90°C
Sealing	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

FEP Cable with Protective Conduit (30C)



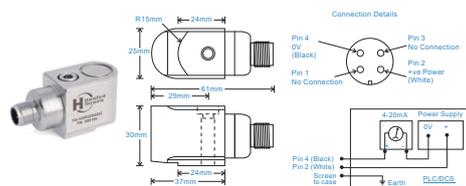
Cable/Connector	
Screened Cable	FEP with Protective Conduit
Maximum cable length	1000 metres
Standard cable length	5 metres
Environmental	
Operating Temperature Range	-25 to 120°C
Sealing	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

2 Pin MS (50)



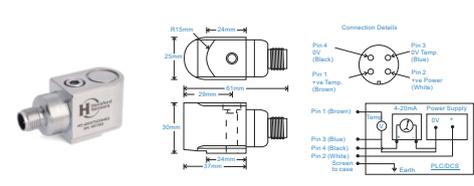
Cable/Connector	
Screened Cable Assembly Connector	2 Pin MS HS-AA004 - non-booted HS-AA053 or HS-0054 - booted
Environmental	
Operating Temperature Range	-25 to 120°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

M12 Connector (54)



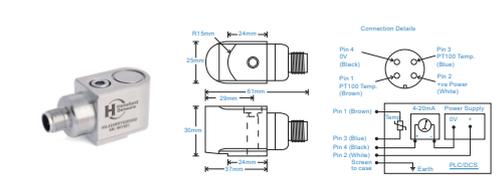
Cable/Connector	
Screened Cable Assembly Connector	M12 Connector HS-AC010 - straight HS-AC011 - right angle
Environmental	
Operating Temperature Range	-25 to 120°C
Sealing	IP67
Maximum Shock	5000g
EMC	EN61326-1:2013

M12 Connector Temperature (54)



Cable/Connector	
Screened Cable Assembly Connector	M12 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

M12 Connector PT100 temperature (54)



Cable/Connector	
Screened Cable Assembly Connector	M12 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

HS-420S Accelerometer

4-20mA Velocity Output



Technical Performance

Mounted Base Resonance	5kHz min
Sensitivity	see: 'How To Order' table $\pm 10\%$
Frequency Response	Nominal 80Hz at 22°C 10Hz (600cpm) to 1kHz (60kcpm) $\pm 5\%$ - ISO10816
Isolation	Base isolated
Range	50g peak
Transverse Sensitivity	Less than 5%

Mechanical

Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	8Nm
Weight	185gms (nominal) body only
Mounting Threads	see: 'How To Order' table

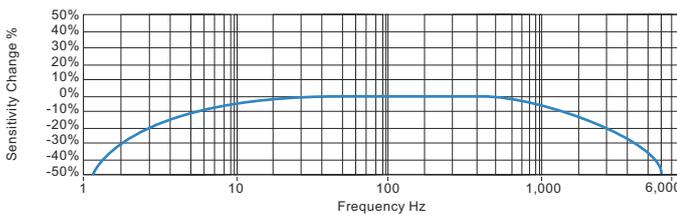
Electrical

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	$>10^8$ Ohms at 500 Volts

Industries

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

