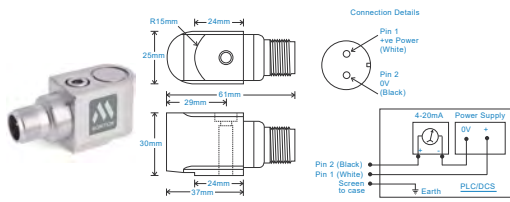


MS-420S Accelerometer

4-20mA Velocity Output-Side Entry

Cable and Connector Options

2 Pin MS (50)



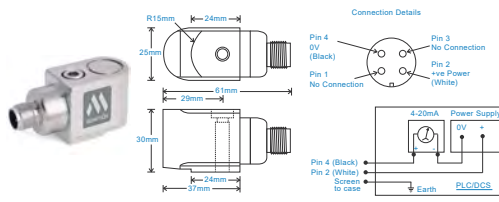
Cable/Connector

Screened Cable see: www.monition.com for options
MS- AA004 - non-booted
Connector MS-AA053 or MS-0054 - booted

Environmental

Operating Temperature Range -25 to 90°C
Sealing IP68
Maximum Shock 5000g
EMC EN61326-1:2013

M12 Connector (54)



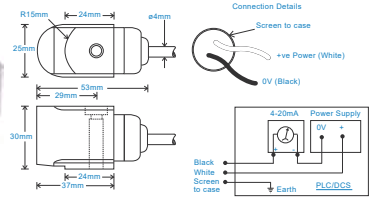
Cable/Connector

Screened Cable MS-AC010 - straight
MS-AC011 - right angle

Environmental

Operating Temperature Range -25 to 90°C
Sealing IP67
Maximum Shock 5000g
EMC EN61326-1:2013

Braided Cable (02)



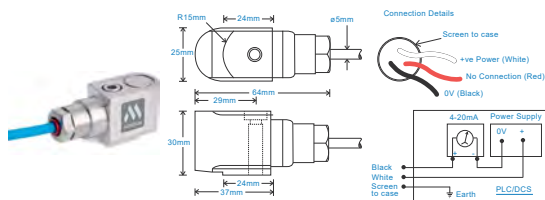
Cable/Connector

Screened Cable Braided
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

Silicon Cable (07)



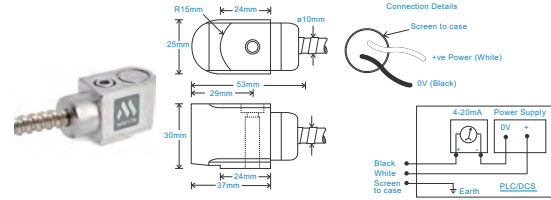
Cable/Connector

Screened Cable Silicon
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

FEP Cable with Protective Conduit (30C)



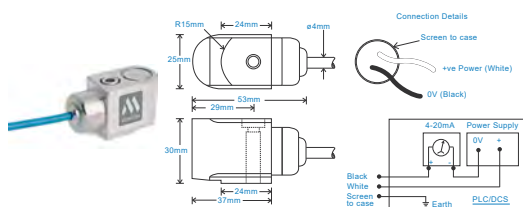
Cable/Connector

Screened Cable FEP - length to be specified with order
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

Flame Retardant Cable (08)



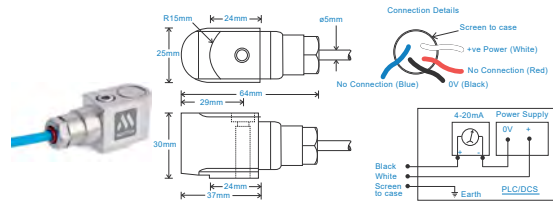
Cable/Connector

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

PUR Cable (01)



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

Technical Performance

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

Mechanical

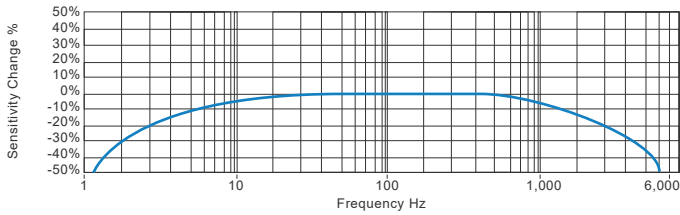
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	185gms (nominal) body only
Mounting Threads	See: 'How To Order' table

MS-420S Accelerometer

4-20mA Velocity Output-Side Entry

Electrical		Industries
Current Output	4-20mA DC proportional to Velocity Range	Building services, Pulp and Paper,
Supply Voltage	15-30 Volts DC (for 4-20mA)	Mining, Metals, Utilities, Automotive,
Settling Time	1 second	Water, Pharmaceutical
Output Impedance	Loop Resistance 600 Ohms max. at 24 Volts	
Case Isolation	>10 ⁸ Ohms at 500 Volts	

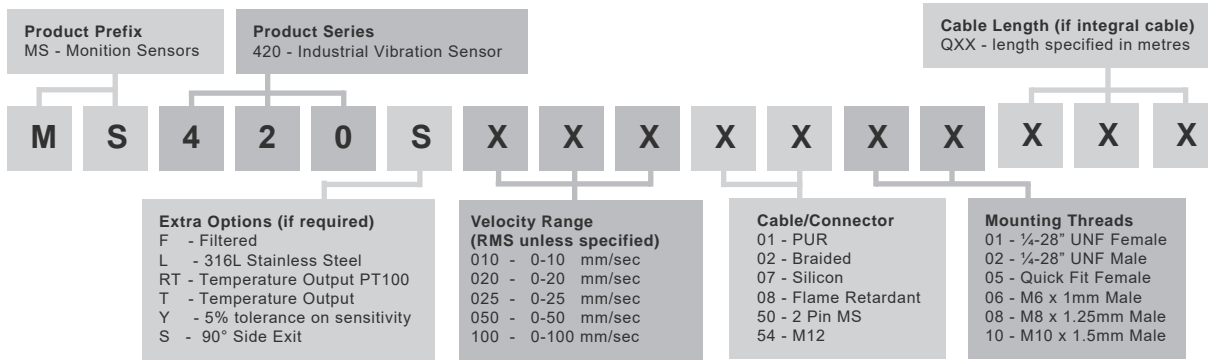
Typical Frequency Response (at 100mV/g) Applications



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



Please note: Always refer to the products full datasheet. This comprehensive product sheet cannot display every technical aspect.

