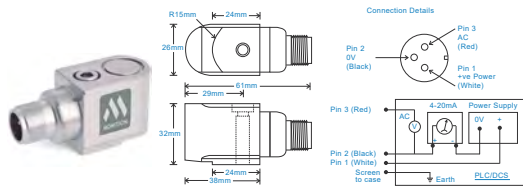


MS-421S Accelerometer

4-20mA Velocity and AC Acceleration Output-Side Entry

Cable and Connector Options

3 Pin MS (52)



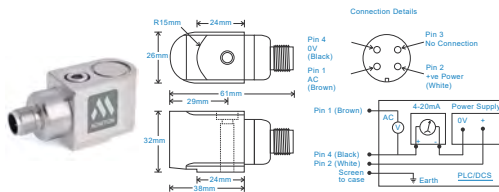
Cable/Connector

Screened Cable see: www.monition.com for options
 Connector MS-AA010 - straight
 MS-AA011 - right angle

Environmental

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

M12 Connector (54)



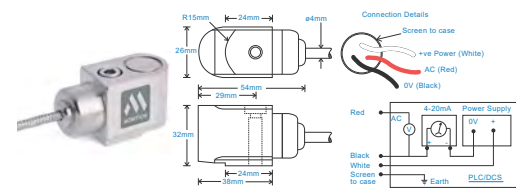
Cable/Connector

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 (03)



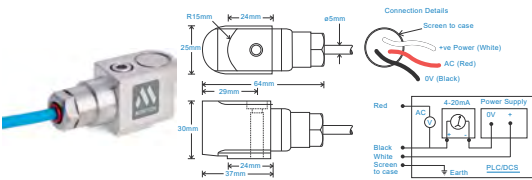
Cable/Connector

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)



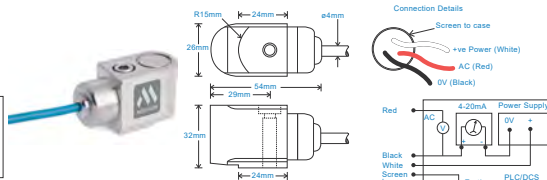
Cable/Connector

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

Flame Retardant Cable (15)



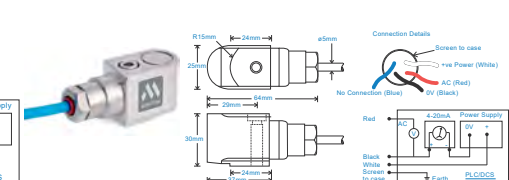
Cable/Connector

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	See: 'How To Order' table
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

MS-421S Accelerometer

4-20mA Velocity and AC Acceleration Output-Side Entry

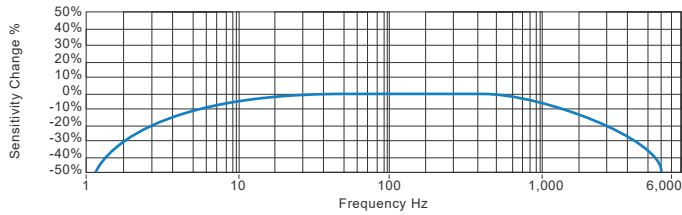
Electrical

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	1 second
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)

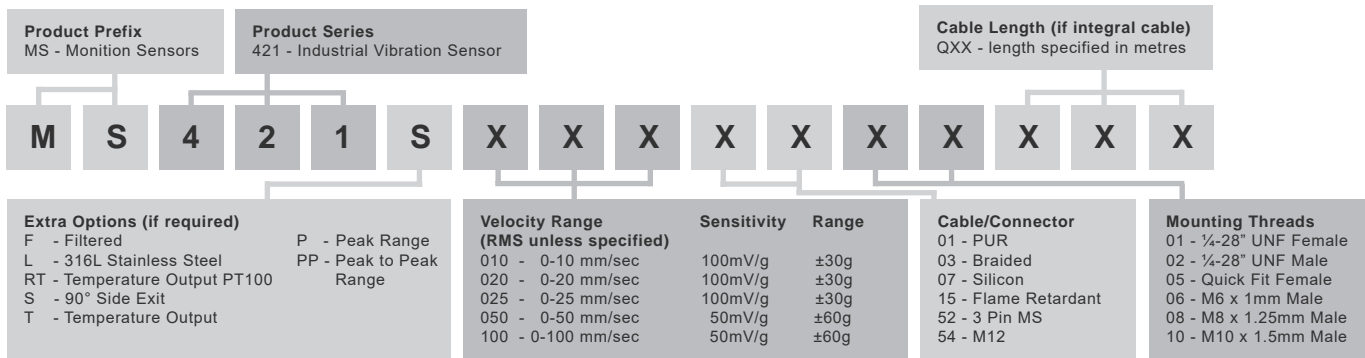


Applications

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



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