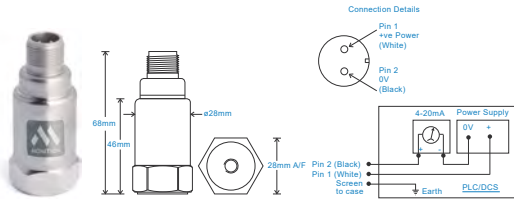


MS-420 Accelerometer

4-20mA Velocity Output

Cable and Connector Options

2 Pin MS (50)



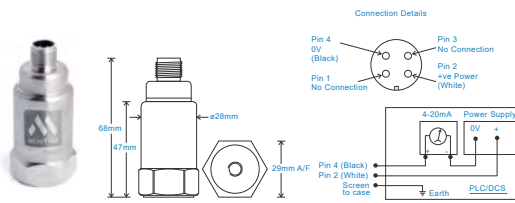
Cable/Connector

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



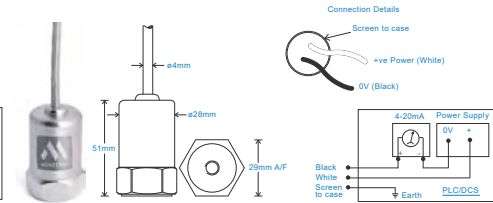
Cable/Connector

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)



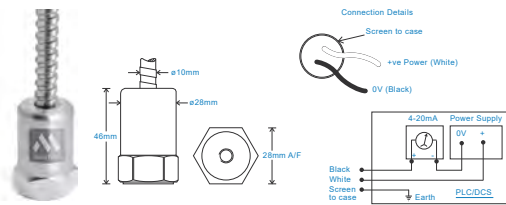
Cable/Connector

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

FEP Cable with Protective Conduit (30C)



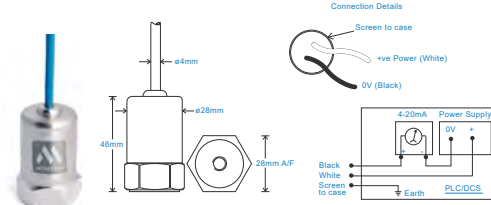
Cable/Connector

Screened Cable see: www.monition.com for options
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)



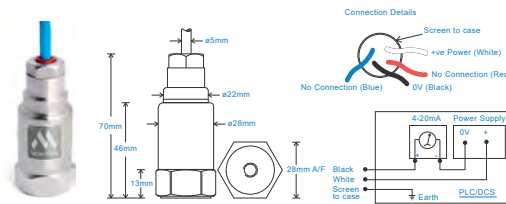
Cable/Connector

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)



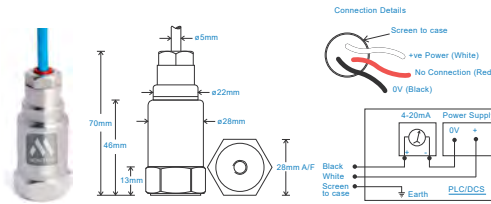
Cable/Connector

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

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

Technical Performance

Mounted Base Resonance 5kHz min
Sensitivity 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 150gms (nominal) body only
Mounting Threads see: 'How To Order' table
Submersible Depth 100 metres max (10 bar)

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We reserve the right to alter the specification of this product without prior notice.

MS-420 Accelerometer

4-20mA Velocity Output

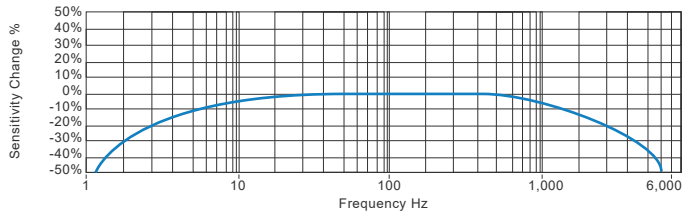
Electrical

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)

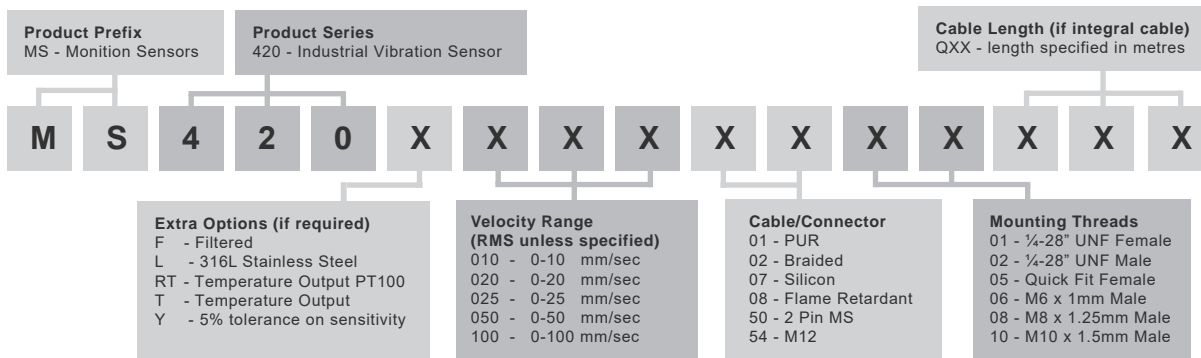


Applications

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



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