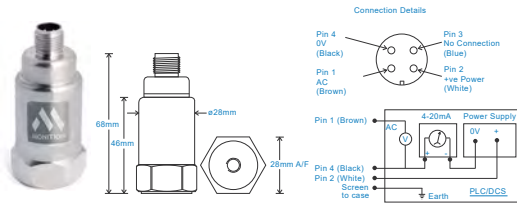


MS-423 Accelerometer

4-20mA Acceleration and AC Acceleration Output

Cable and Connector Options

M12 Connector (54)



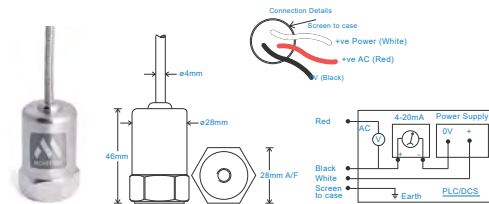
Cable/Connector

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

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

Braided Cable (03)



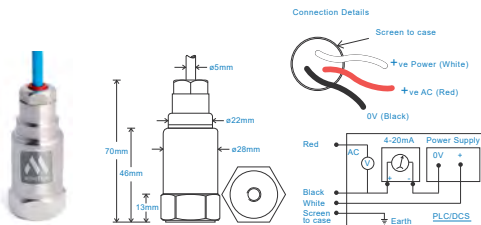
Cable/Connector

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)



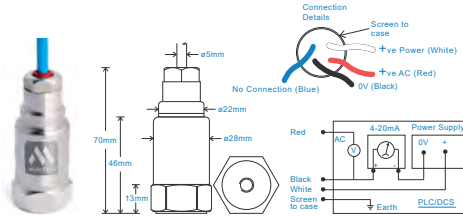
Cable/Connector

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

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	10kHz min
Acceleration Ranges	see: 'How To Order' table $\pm 10\%$ Nominal 80Hz at 22°C
Frequency Response	10Hz (600cpm) to 5kHz (300kcpm) $\pm 5\%$ - ISO10816
Isolation Range	Base isolated see: 'How To Order' table
Transverse Sensitivity	Less than 5%

Mechanical

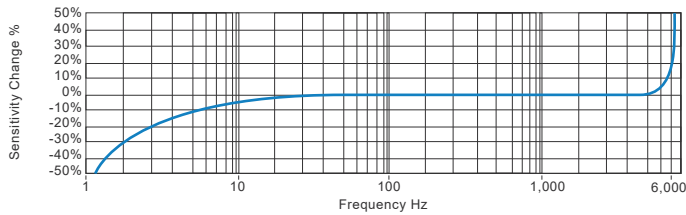
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	135gms (nominal) body only
Mounting Threads	see: 'How To Order' table
Submersible Depth	100 metres max (10 bar)

MS-423 Accelerometer

4-20mA Acceleration and AC Acceleration Output

Electrical		Industries
Current Output	4-20mA DC current proportional to acceleration and AC acceleration	Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical
Bias Voltage	3 Volts DC (nominal)	
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	

Typical Frequency Response (at 100mV/g)

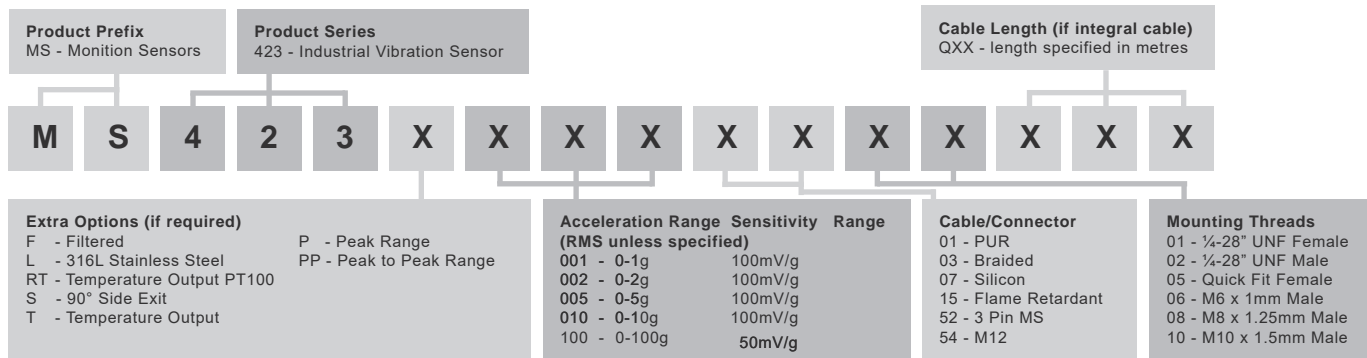


Applications

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.

