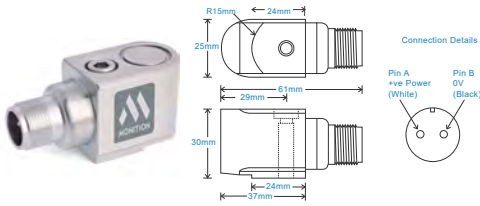


MS-100S Accelerometer

AC Acceleration Output-Side Entry

Cable and Connector Options

2 Pin MS (50)



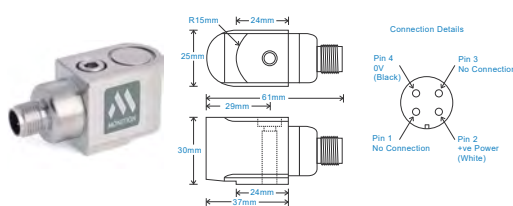
Cable/Connector

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

Environmental

Operating Temperature Range	-55 to 140°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

M12 Connector (54)



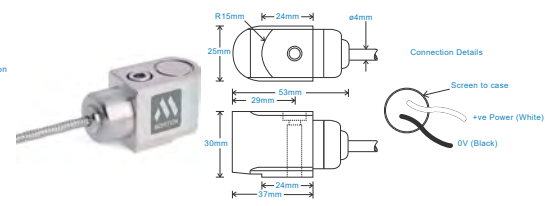
Cable/Connector

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

Operating Temperature Range	-55 to 140°C
Sealing	IP67
Maximum Shock	5000g
EMC	EN61326-1:2013

Braided Cable (02)



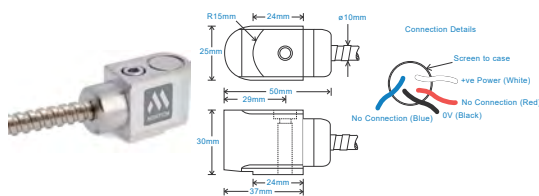
Cable/Connector

Screened Cable	Braided
Maximum cable length	1000 metres
Standard cable length	5 metres

Environmental

Operating Temperature Range	-55 to 140°C
Sealing	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

FEP Cable with Protective Conduit (30C)



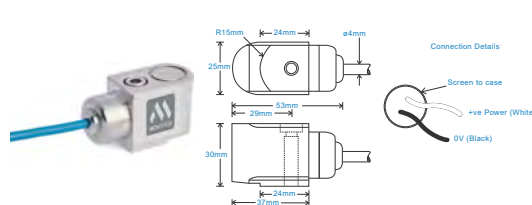
Cable/Connector

Screened Cable	see: www.monition.com for options
Maximum cable length	1000 metres
Standard cable length	5 metres

Environmental

Operating Temperature Range	-55 to 140°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Flame Retardant Cable (08)



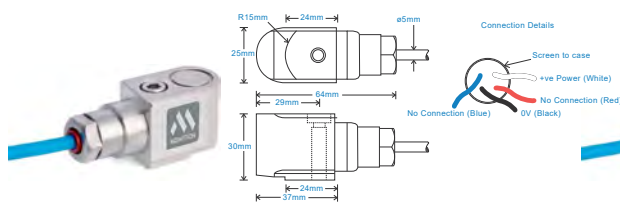
Cable/Connector

Screened Cable	Flame Retardant
Maximum cable length	1000 metres
Standard cable length	5 metres

Environmental

Operating Temperature Range	-40 to 100°C
Sealing	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

PUR Cable (01)



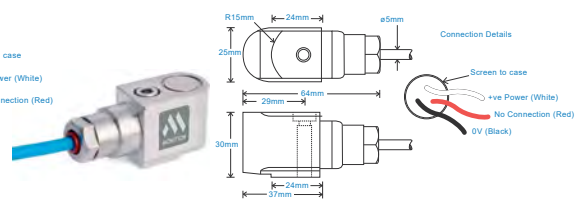
Cable/Connector

Screened Cable	PUR
Maximum cable length	1000 metres
Standard cable length	5 metres

Environmental

Operating Temperature Range	-30 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	-50 to 140°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

Technical Performance

Mounted Base Resonance	See 'How To Order' table (nominal)
Sensitivity	See: 'How To Order' table $\pm 10\%$ Nominal 80Hz at 22°C
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) $\pm 5\%$ 1.5Hz (90cpm) to 12kHz (720kcpm) $\pm 10\%$ 0.8Hz (48cpm) to 15kHz (900kcpm) $\pm 3\text{dB}$
Isolation	Base isolated
Range	See: 'How To Order' table
Transverse Sensitivity	Less than 5%

Mechanical

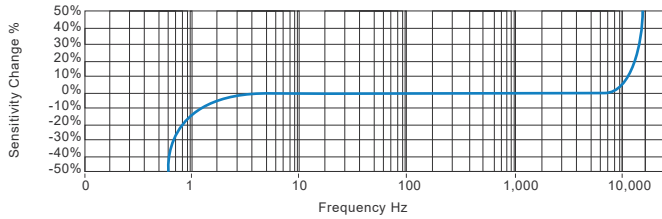
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Compression
Mounting Torque	8Nm
Weight	106gms (nominal) body only
Mounting Threads	See: 'How To Order' table

MS-100 Accelerometer

AC acceleration output-Side Entry

Electrical		Industries
Excitation Voltage:	18-30Volts DC	Building services, Pulp and Paper,
Electrical Noise	0.1mg max	Mining, Metals, Utilities, Automotive,
Current Range	0.5mA to 8mA	Water, Pharmaceutical
Bias Voltage	10 - 12 Volts DC	
Settling Time	2 seconds	
Output Impedance	200 Ohms max.	
Case Isolation	>10 ⁸ Ohms at 500 Volts	

Typical Frequency Response (at 100mV/g)

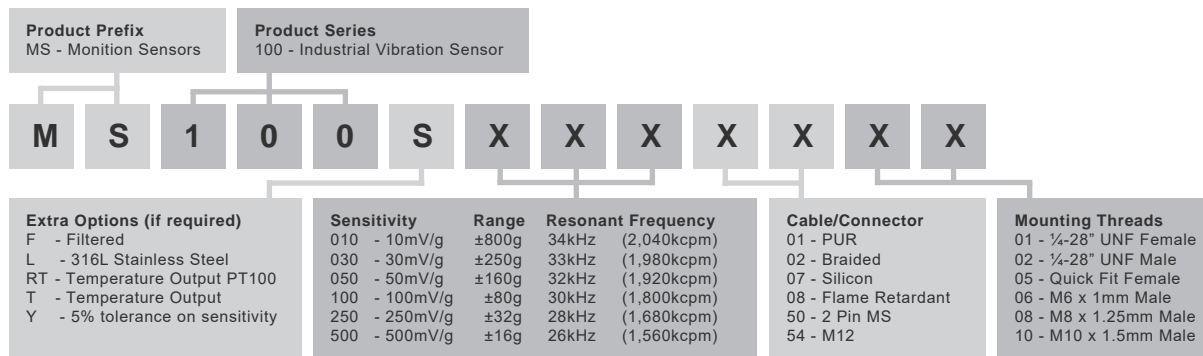


Applications

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.

