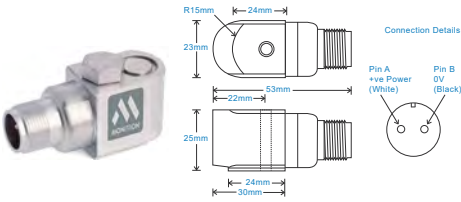


MS-170S Premium Accelerometer

AC Acceleration Output-Side Entry

Cable and Connector Options

2 Pin MS (50)



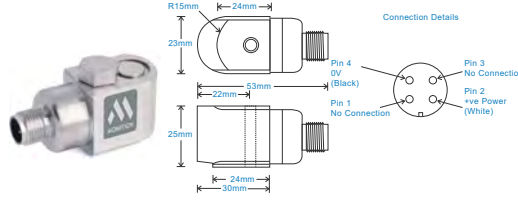
Cable/Connector

Connector Use booted connector only

Environmental

Operating Temperature Range	-55 to 130°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

M12 Connector (54)



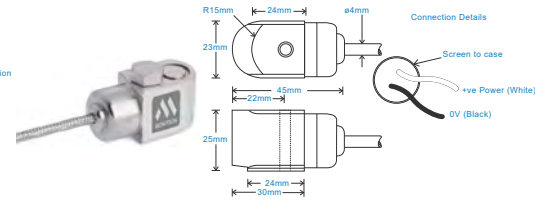
Cable/Connector

Connector Use booted connector only

Environmental

Operating Temperature Range	-55 to 130°C
Sealing	IP67
Maximum Shock	5000g
EMC	EN61326-1:2013

Braided Cable (02)



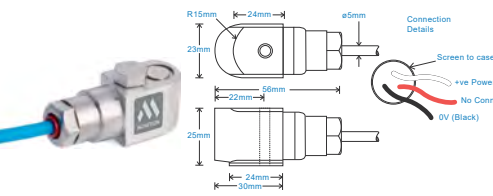
Cable/Connector

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

Environmental

Operating Temperature Range	-55 to 130°C
Sealing	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

Silicon Cable (07)



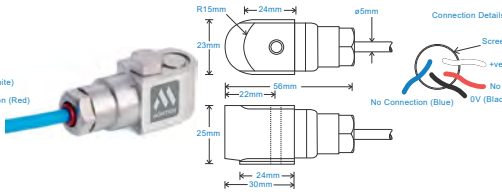
Cable/Connector

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

Environmental

Operating Temperature Range	-55 to 130°C
Sealing	IP68
Maximum Shock	5000g
EMC	EN61326-1:2013

PUR Cable



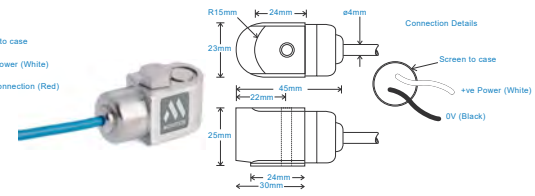
Cable/Connector

Screened Cable	FEP - length to be specified with order
Maximum cable length	1000 metres
Standard cable length	5 metres

Environmental

Operating Temperature Range	-30 to 90°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

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 14kHz (840kcpm) $\pm 10\%$ 1.5Hz (90cpm) to 16kHz (960kcpm) $\pm 10\%$ 0.8Hz (48cpm) to 19kHz (1,140kcpm) $\pm 3dB$
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	135gms (nominal) body only
Mounting Threads	See: 'How To Order' table

MS-170S Premium Accelerometer

AC acceleration output-Side Entry

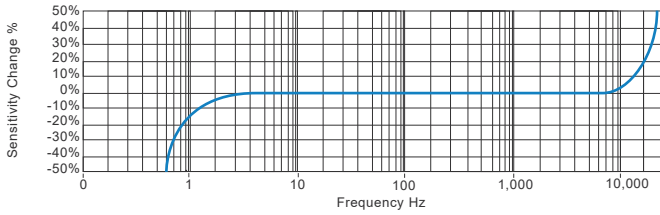
Electrical

Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	2 seconds
Output Impedance	200 Ohms max.
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)

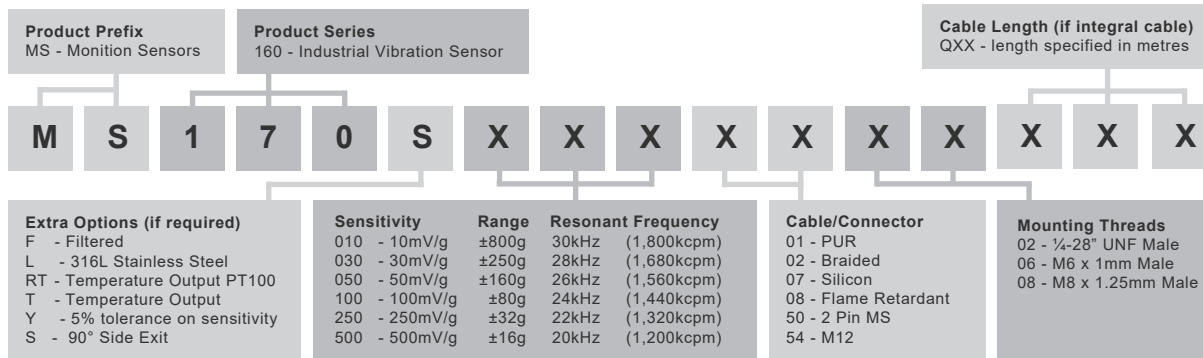


Applications

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.