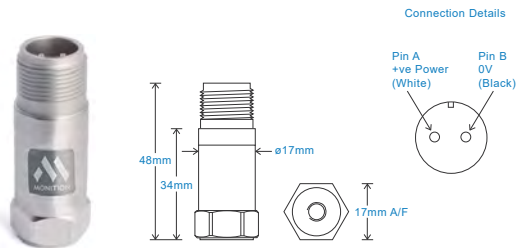


MS-170 Premium Accelerometer

AC Acceleration Output

Cable and Connector Options

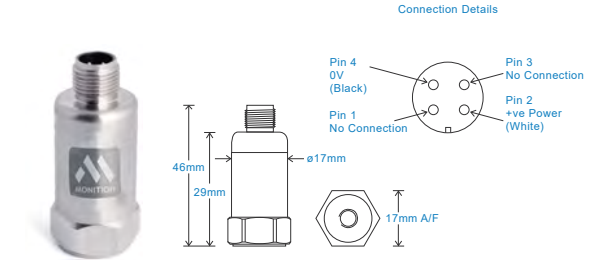
2 Pin MS (50)



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

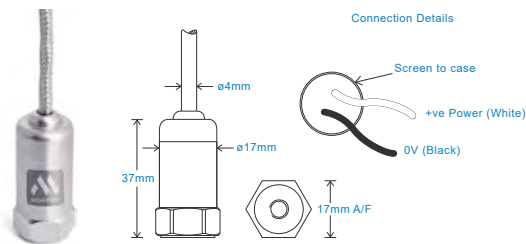
M12 Connector (54)



Cable/Connector	
Connector	Use booted connector only

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

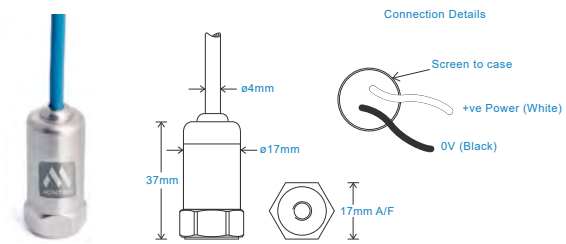
Braided Cable (02)



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

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 ±10% Nominal 80Hz at 22°C
Frequency Response	2Hz (120cpm) to 14kHz (840kcpm) ± 5% 1.5Hz (90cpm) to 16kHz (960kcpm) ± 10% 0.8Hz (48cpm) to 19kHz (1,140kcpm) ± 3dB
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	52gms (nominal) body only
Mounting Threads	see: 'How To Order' table

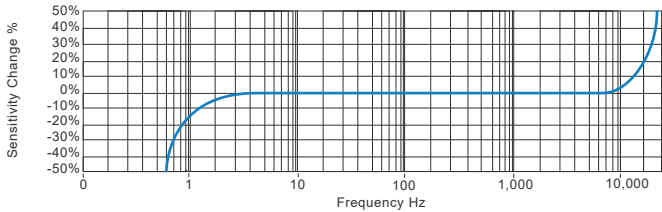
MS-170 Premium Accelerometer

AC Acceleration Output

Electrical Industries

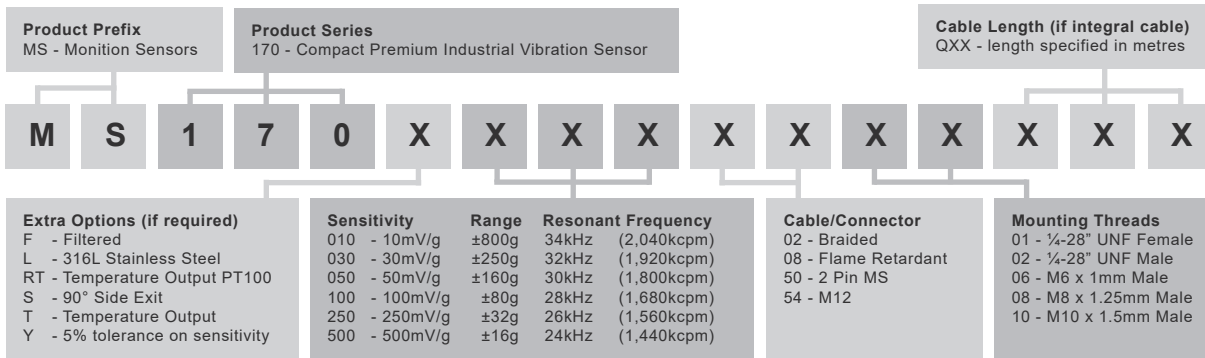
Electrical Noise	0.1mg max	Building services, Pulp and Paper,
Current Range	0.5mA to 8mA	Mining, Metals, Utilities, Automotive,
Bias Voltage	10 - 12 Volts DC	Water, Pharmaceutical
Settling Time	1 second	
Output Impedance	200 Ohms max.	
Case Isolation	>10 ⁸ Ohms at 500 Volts	

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

How To Order



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

