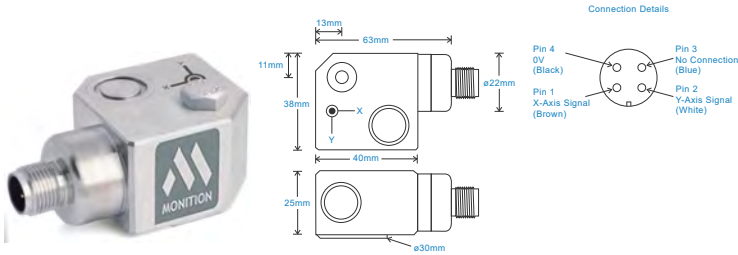


MS Premium Multi-Axial Accelerometers

AC Output

MS-172 Biaxial



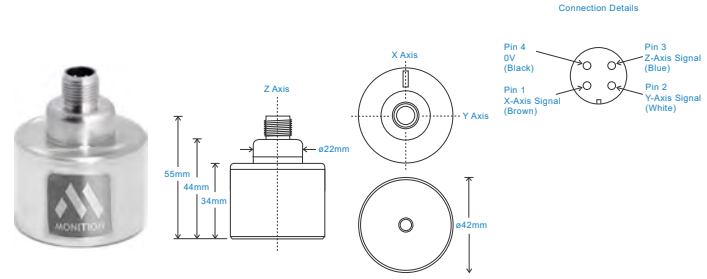
Cable/Connector

Screened Cable MS-AC010 - Straight

Environmental

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

MS-173R Triaxial



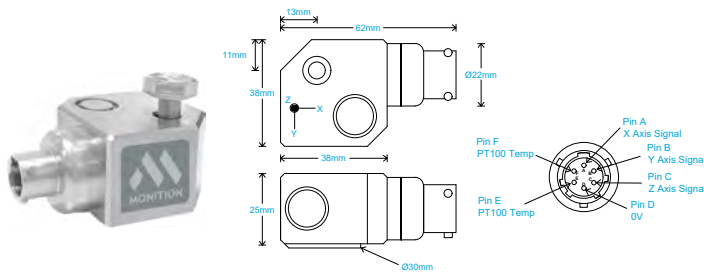
Cable/Connector

Screened Cable MS-AC010 - Straight

Environmental

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

MS-173RT Triaxial



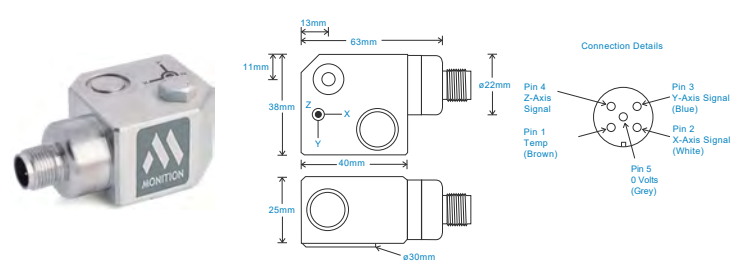
Cable/Connector

Connector MS-AA125 Amphenol
 62GB-16F10-06SN

Environmental

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

MS-173T Triaxial



Cable/Connector

Screened Cable MS-AC010 - Straight

Environmental

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

Technical Performance

Mounted Base Resonance see 'How To Order' table (nominal)
 +3kHz for aluminium version
 Sensitivity see: 'How To Order' table $\pm 10\%$
 Nominal 80Hz at 22°C per axes
 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 unless specified Aluminium
 Sensing Element/Construction PZT/Shear
 Mounting Torque 8Nm
 Mounting Bolt Provided see: 'How To Order' table x 30mm long
 Weight 235gms (nominal) - Stainless Steel
 115gms (nominal) - Aluminium
 Mounting Threads see: 'How To Order' table

MS Premium Multi-Axial Accelerometers

AC Output

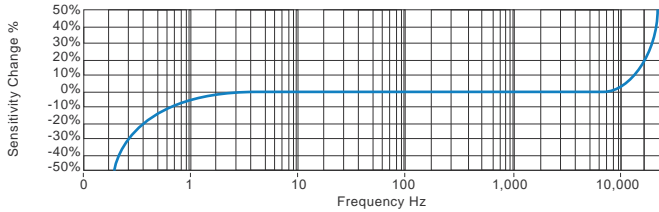
Electrical

Electrical Noise	0.1mg max
Current Range	0.5mA to 8mA
Bias Voltage	10 - 12 Volts DC
Settling Time	1 second
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, Wind

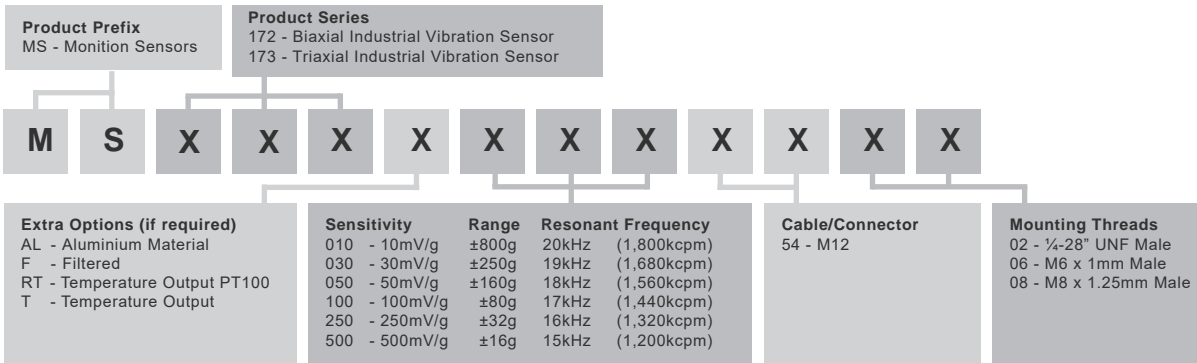
Typical Frequency Response (at 100mV/g)



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.