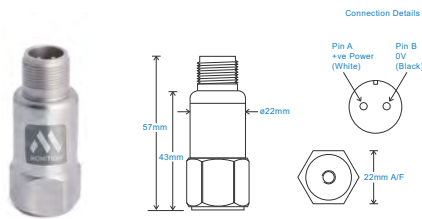


# MS-150 Premium Accelerometer

## AC Acceleration Output

### Cable and Connector Options

#### 2 Pin MS (50)



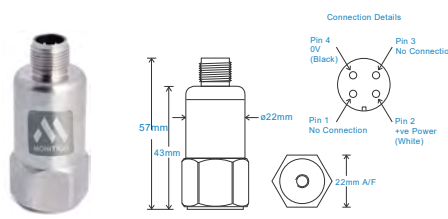
#### Cable/Connector

Screened Cable Connector	see: <a href="http://www.monition.com">www.monition.com</a> for options MS-AA004 - non-booted MS-AA053 or MS-0054 - booted
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#### Environmental

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

#### M12 Connector (54)



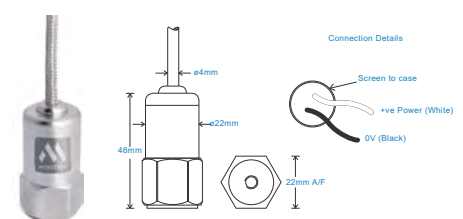
#### Cable/Connector

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

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

#### Braided Cable (02)



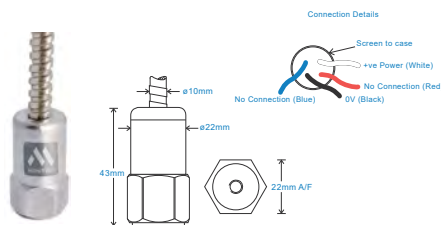
#### Cable/Connector

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

#### FEP Cable with Protective Conduit (30C)



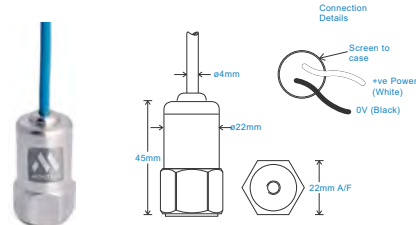
#### Cable/Connector

Screened Cable	see: <a href="http://www.monition.com">www.monition.com</a> for options
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

#### Flame Retardant Cable (08)



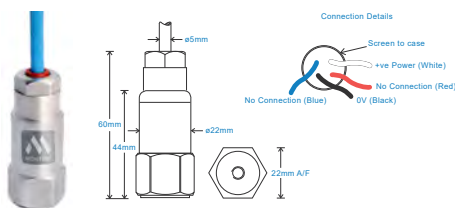
#### Cable/Connector

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)



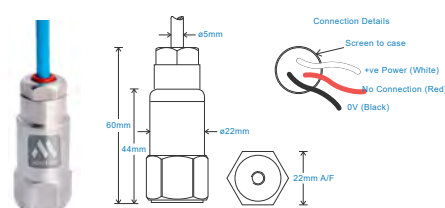
#### Cable/Connector

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 130°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 ±10% Nominal 80Hz at 22°C
Frequency Response	2Hz (120cpm) to 10kHz (600kcpm) ± 5% 1.5Hz (90cpm) to 12kHz (720kcpm) ± 10% 0.8Hz (48cpm) to 15kHz (900kcpm) ± 3dB
Isolation	Base isolated
Range	see: 'How To Order' table
Transverse Sensitivity	Less than 5%

### Mechanical

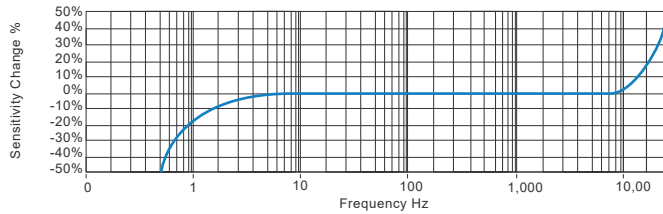
Case Material	Stainless Steel
Sensing Element/Construction	PZT/Shear
Mounting Torque	8Nm
Weight	106gms (nominal) body only
Mounting Threads	see: 'How To Order' table

# MS-150 Premium Accelerometer

## AC acceleration output

Electrical		Industries
Excitation Voltage:	18-30Volts DC	Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical
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 <sup>8</sup> Ohms at 500 Volts	

### Typical Frequency Response (at 100mV/g)

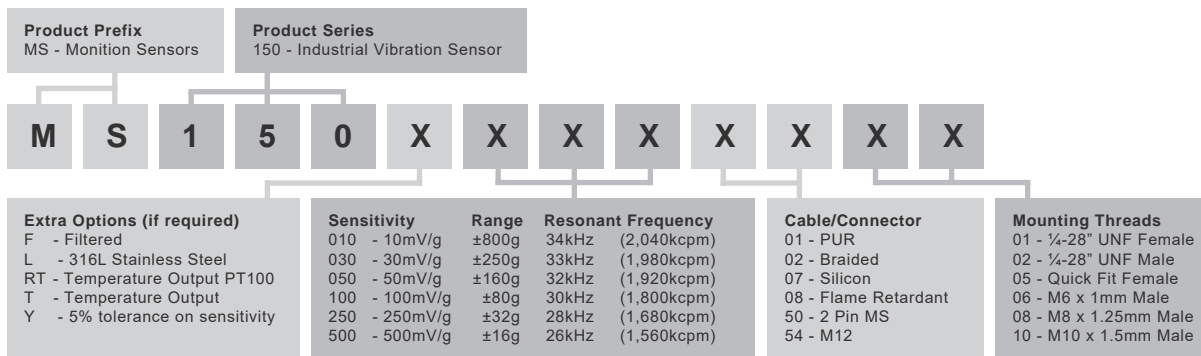


### Applications

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.

