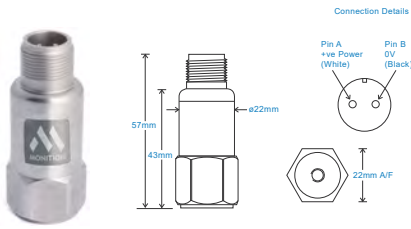


MS-100 Accelerometer

AC Acceleration Output

Cable and Connector Options

2 Pin MS (50)



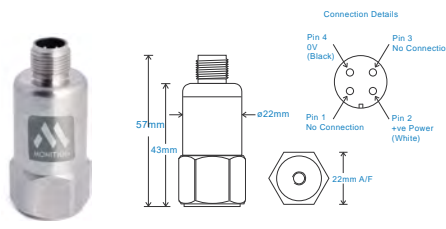
Cable/Connector

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)



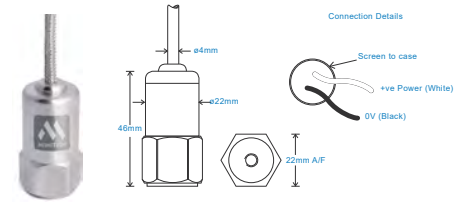
Cable/Connector

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)



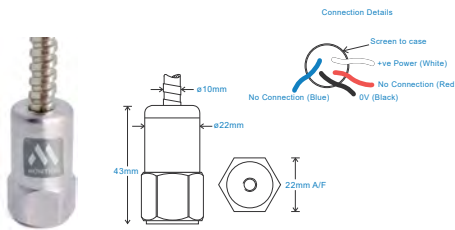
Cable/Connector

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)



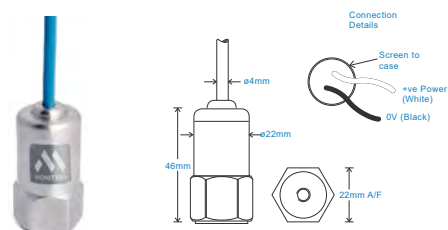
Cable/Connector

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	IP65
Maximum Shock	5000g
EMC	EN61326-1:2013

Flame Retardant Cable (08)



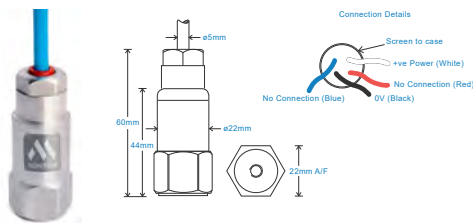
Cable/Connector

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

PUR Cable (01)



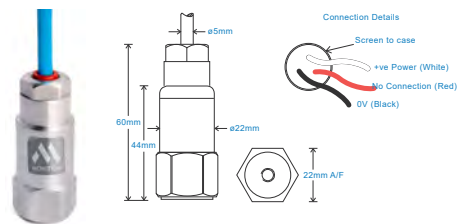
Cable/Connector

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 ±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%

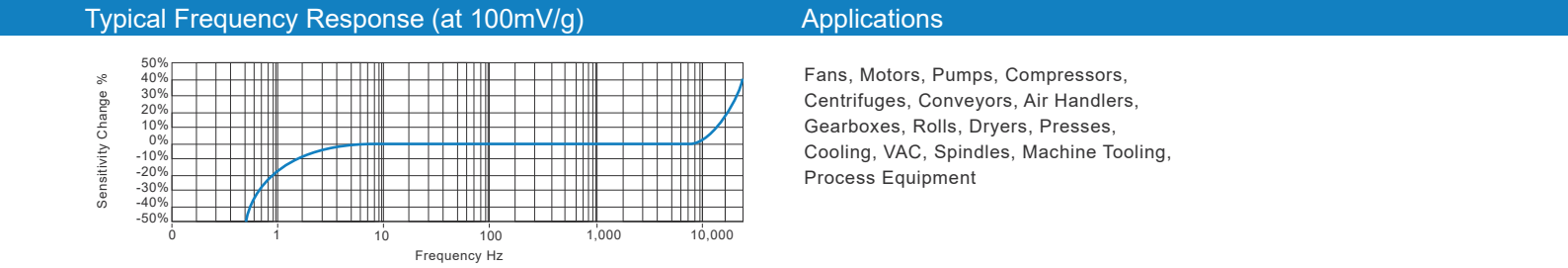
Mechanical

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

MS-100 Accelerometer

AC acceleration output

Electrical		Industries
Excitation Voltage:	18-30Volts DC	Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical, Wind
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	



How To Order

Product Prefix	Product Series	Ordering Code											
MS - Monition Sensors	100 - Industrial Vibration Sensor	M	S	1	0	0	X	X	X	X	X	X	X
Extra Options (if required)	Sensitivity	Range	Resonant Frequency	Cable/Connector	Mounting Threads								
F - Filtered	010 - 10mV/g	±800g	34kHz (2,040kcpm)	01 - PUR	01 - ¼-28" UNF Female								
L - 316L Stainless Steel	030 - 30mV/g	±250g	33kHz (1,980kcpm)	02 - Braided	02 - ¼-28" UNF Male								
RT - Temperature Output PT100	050 - 50mV/g	±160g	32kHz (1,920kcpm)	07 - Silicon	05 - Quick Fit Female								
T - Temperature Output	100 - 100mV/g	±80g	30kHz (1,800kcpm)	08 - Flame Retardant	06 - M6 x 1mm Male								
Y - 5% tolerance on sensitivity	250 - 250mV/g	±32g	28kHz (1,680kcpm)	50 - 2 Pin MS	08 - M8 x 1.25mm Male								
	500 - 500mV/g	±16g	26kHz (1,560kcpm)	54 - M12	10 - M10 x 1.5mm Male								

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