

ATEX and IECEx Group I & II certified. General purpose, top-entry, constant current accelerometer with isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh, hazardous gas and dust environments. 3 wire device, requires 24V supply. Sealed to IP67 and includes stainless steel overbraided ETFE cable and is available with a wide range of mountings.

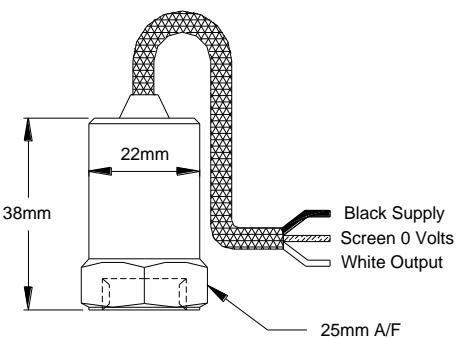
## Applications

- General Industry
- Compressors, Pumps, etc
- Oil, Petrochemical

## Technical

MTN/1107IC	Standard Sensitivity	100 mV/g +/-10% nominal at 80 Hz
	Frequency response	2Hz to 10kHz +/-5% (-3 dB at 0.8 Hz)
	Mounted base resonance	18kHz (nominal)
	Isolation	Base isolated
	Transverse sensitivity	Less than 5%
	Electrical Noise	0.1 mg max
	Supply Voltage	+15 to +28 VDC
	Bias Voltage	8 Volts DC (nominal)
	Temperature Range	-55 °C to 135 °C
	Case Material	Stainless Steel
	Cable	Integral S/S overbraided ETFE
	Standard Cable Length	5 metres
	Maximum cable length	See system drawing ATX008
	Weight	110g (nominal)
	Sealing	IP67

## Dimensions



## Certificate Details

Group II <sup>1</sup>	BAS02ATEX1057, EEx ia IIB T4 Ex II 1GD T45°C
Terminal parameters	Ui = 28V, Ii = 300mA, Pi = 1.3W For Ci and Li see certificate
Barrier	MTL 728, BAS01ATEX7202 The output current of each barrier must be limited by a resistor "R" that: Io = Uo / R or any other barrier that conforms to Notes 4 & 5 of drawing ATX008 sheets 1 – 4 (Available on request)

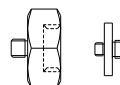


## Studs and grub screws



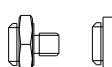
Part #	From	To
MS036	1/4"-28 UNF Male	M6 Male
MS039	1/4"-28 UNF Male	10-32 UNF Male
MS067	1/4"-28 UNF Male	M8 Male
MS068	1/4"-28 UNF Male	1/4"-28 UNF Male
MS124	1/4"-28 UNF Male	M10 Male
MS132	1/4"-28 UNF Male	M12 Male

## Mounting adapters



Part #	From	To
MS005	Q/F Male	1/4"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	1/4"-28 UNF Male	Q/F Female
MS013	1/4"-28 UNF Male	Glue base
MS033	1/4"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	1/4"-28 UNF Male	10-32 UNF Male
MS079	1/4"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

## Quick fit adapters



Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	1/4"-28 UNF Male
MS006	Q/F Male	M6 Male

## Isolation

Part #	From	To
MS034	1/4"-28 UNF Male	1/4"-28 UNF Female
MS093	Q/F Male	M8 Male

**Barrier connection (For more detailed connection information please request system drawing ATX008)**

Part #	Mounting	Optional Sensitivity Range Available (+/-10%)
MTN/1107IC-xx	1/4" UNF Female	0-10 0-30 0-50
MTN/1107ICQ-xx	Q/F Female	

