

ATEX and IECEx Group II certified. General purpose, side-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. Sealed to IP67 and includes integral stainless overbraided ETFE cable. M6, M8 and  $\frac{1}{4}$ "-28 UNF mounting bolt also available.

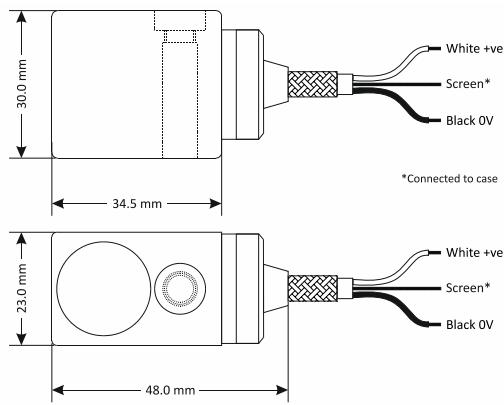
## Applications

- General industry
- Compressors, pumps etc
- Oil and petrochemical
- Mining

## MTN/1100ISC



## Dimensions



## Technical

Standard sensitivity	100mV/g $\pm 10\%$ nominal @ 80Hz
Frequency response	2Hz to 10kHz $\pm 5\%$ (-3dB @ 0.8Hz)
Mounted base resonance	18kHz (nominal)
Isolation	Base isolated
Transverse sensitivity	Less than 5%
Electrical noise	0.1mg max
Current range	0.5 to 8mA
Bias voltage	12V DC (nominal)
Temperature range for	T4 (-55°C $\leq$ Ta $\leq$ +115°C) T6 (-55°C $\leq$ Ta $\leq$ +65°C)
Case material	Stainless steel
Cable	Integral stainless steel overbraided ETFE
Weight	160g (nominal)
Sealing	IP67
Mounting torque	8Nm
Maximum cable length	See system drawing ATX027
Insulation	Units will pass a 500V insulation test

## Certificate details

Group II <sup>1</sup>	BAS02ATEX1057X and IECEx BAS 08.0013X Ex II 1GD T135°C Ex ia IIC T4 (-55°C $\leq$ Ta $\leq$ +115°C) Ex II 1GD T85°C Ex ia IIC T6 (-55°C $\leq$ Ta $\leq$ +65°C)
Terminal parameters	Ui = 28V, Ii = 93mA, Pi = 0.65W For Ci & Li see certificate
Barrier	1 x MTL7728+ (BAS01ATEX7217) or (P&F Z728 BAS01ATEX7005) or any other barrier that conforms to note 5 of ATX027 (Available on request)

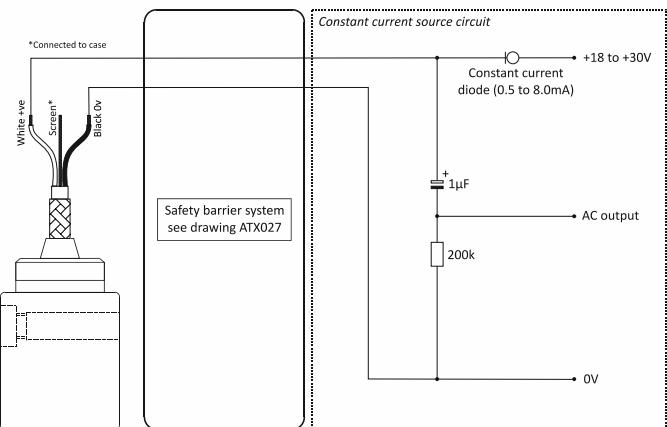


## Options

- Mating connectors
- Cable length
- Dust option (Group II only)
- Other sensitivities (see below)

Part #	Mounting	xx = Optional sensitivity ( $\pm 10\%$ )
MTN/1100ISC-xx	$\frac{1}{4}''$ -28 UNF x 33mm	10
MTN/1100ISCM6-xx	M6 x 35mm	25
MTN/1100ISCM8-xx	M8 x 28mm	30 50

## System connection



*Note: Care should be taken not to install this in a high velocity dust laden atmosphere.*

<sup>1</sup> Warning ref Group II: The Ci and Li were previously lower. The installer must take account of the increase in internal capacitance and inductance present on this apparatus.