

ATEX and IECEx Group I 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. Internal electronics are isolated to minimise noise with increased bias voltage stability. Sealed to IP67 and includes integral stainless steel overbraided ETFE cable. M6, M8 and ¼"-28 UNF mounting bolt also available.

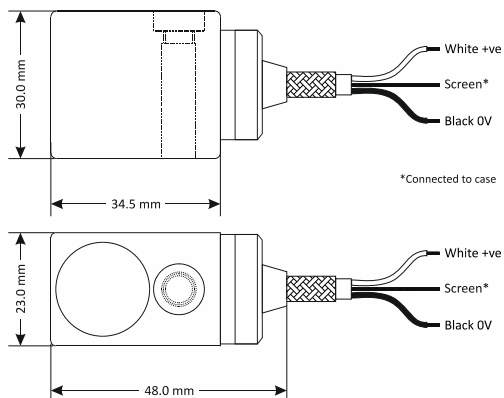
Applications

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

MTN/M2200ISC



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 $-55^{\circ}\text{C} \leq T_a \leq +115^{\circ}\text{C}$

Case material Stainless steel

Cable Integral stainless steel overbraided ETFE

Weight 160g (nominal)

Sealing IP67

Mounting torque 8Nm

Maximum cable length See system drawing ATX037

Insulation Units will pass a 500V insulation test

Certificate details

Group I BAS02ATEX0245X and IECEx BAS 08.0013X
Ex ia I Ma ($-55^{\circ}\text{C} \leq T_a \leq +115^{\circ}\text{C}$)

Terminal parameters $U_i = 28\text{V}$, $I_i = 93\text{mA}$, $P_i = 0.65\text{W}$
For Ci & Li see certificate

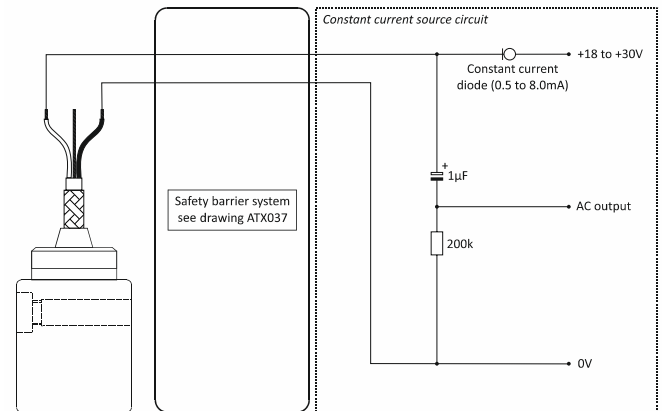
Barrier 1 x MTL7728+ (BAS01ATEX7217) or (P&F 2728
BAS01ATEX7005) or any other barrier that
conforms to note 5 of ATX037

Options

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

Part #	Mounting	xx = Optional sensitivity (±10%)
MTN/M2200ISC-xx	¼"-28 UNF x 33mm	10
MTN/M2200ISCM6-xx	M6 x 35mm	25
		30
MTN/M2200ISCM8-xx	M8 x 28mm	50

System connection



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

¹ 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.