

ATEX and IECEx Group II certified. Submersible 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 underwater environments. Internal electronics are isolated to minimise noise with increased bias voltage stability. Sealed to IP68 and includes integral heavy duty polyurethane cable and ¼"-28UNF, M6 or M8 mounting bolt.

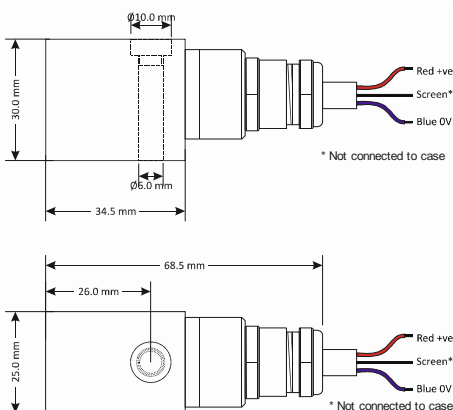
Applications

- General or heavy industry
- Submersible compressors, pumps etc
- Oil and petrochemical
- Data collection
- Paper machinery
- Air handling units
- Machine tools

MTN/2200ISW



Dimensions



Technical

Standard sensitivity	100mV/g ±10% nominal @ 80Hz
Frequency response	2Hz to 10kHz ±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 ≤ Ta ≤ +115°C) T6 (-55°C ≤ Ta ≤ +65°C)
Case material	Stainless steel
Weight	170g (nominal)
Sealing	IP68
Mounting torque	8Nm
Submersible depth	5m max (0.5 bar)
Maximum cable length	See system drawing ATX037
Insulation	Units will pass a 500V insulation test

Certificate details

Group II ¹	BAS02AEX1057X and IECEx BAS 08.0013X Ex II 1GD T135°C Ex ia IIC T4 (-55°C ≤ Ta ≤ +115°C) Ex II 1GD T85°C Ex ia IIC T6 (-55°C ≤ Ta ≤ +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 ATX037 (Available on request)

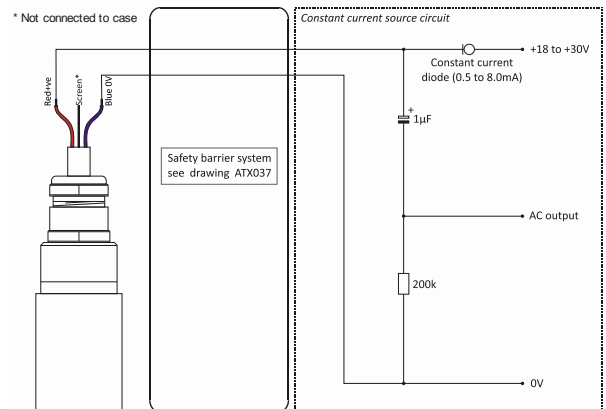


Options

- Mounting bolts (see below)

Part #	Mounting	xx = Optional sensitivity ($\pm 10\%$)
MTN/2200ISW-xx	1/4"-28 UNF x 33mm	10 25
MTN/2200ISWM6-xx	M6 x 35mm	30
MTN/2200ISWM8-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.