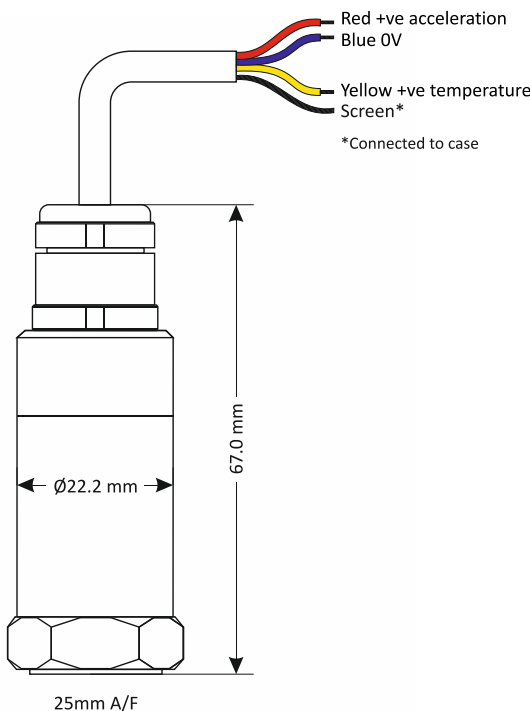


Submersible, dual purpose, top-entry, constant current accelerometer with isolated AC and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh underwater environments and areas with constant moisture or condensation. Internal electronics are isolated to minimise noise with increased bias voltage stability. Sealed to IP68 and includes integral heavy duty polyurethane cable. Available with a wide range of mountings.

MTN/2200TW



Dimensions



Applications

- Data collection
- Heavy industry
- Paper machinery
- Submersible pumps

Technical

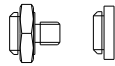
| | |
|--------------------------------|--|
| Standard sensitivity | 100mV/g ±10% nominal @ 80Hz |
| Temperature output sensitivity | 10mV/°C (range 2 to 100°C) |
| Frequency response | 2Hz to 10kHz ±5% (-3dB @ 0.8Hz) |
| Mounted base resonance | 18kHz (nominal) |
| Isolation | Base isolated |
| Dynamic range | ±80g |
| Transverse sensitivity | Less than 5% |
| Electrical noise | 0.3mg max |
| Current range | 0.5 to 8mA |
| Operating temperature | -55 to 90°C |
| Bias voltage | 12V DC (nominal) |
| Case material | Stainless steel |
| Cable | Integral polyurethane – length to be specified at point of order |
| Maximum cable length | 100m |
| Mounting torque | 8Nm |
| Weight | 120g (nominal) |
| Sealing | IP68 |
| Submersible depth | 5m maximum (0.5 bar) |

Studs and grub screws



| Part # | From | To |
|--------|----------------|----------------|
| MS036 | ¼"-28 UNF Male | M6 Male |
| MS039 | ¼"-28 UNF Male | 10-32 UNF Male |
| MS067 | ¼"-28 UNF Male | M8 Male |
| MS068 | ¼"-28 UNF Male | ¼"-28 UNF Male |
| MS124 | ¼"-28 UNF Male | M10 Male |
| MS132 | ¼"-28 UNF Male | M12 Male |

Quick fit adapters



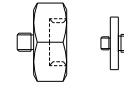
| Part # | From | To |
|--------|----------|----------------|
| MS001 | Q/F Male | Glue base |
| MS002 | Q/F Male | M8 Male |
| MS003 | Q/F Male | M10 Male |
| MS004 | Q/F Male | ¼"-28 UNF Male |
| MS006 | Q/F Male | M6 Male |

Options

- Other sensitivities (see below)

| Part # | Mounting | xx = Optional sensitivity (mV/g) |
|----------------|------------------|----------------------------------|
| MTN/2200TW-xx | ¼"-28 UNF Female | 10 |
| | | 30 |
| | | 50 |
| MTN/2200TWQ-xx | Q/F Female | 500 |
| | | 1000 |

Mounting adapters



| Part # | From | To |
|--------|----------------|------------------|
| MS005 | Q/F Male | ¼"-28 UNF Female |
| MS007 | Q/F Male | 10-32 UNF Female |
| MS008 | Q/F Male | M8 Female |
| MS011 | ¼"-28 UNF Male | Q/F Female |
| MS013 | ¼"-28 UNF Male | Glue base |
| MS033 | ¼"-28 UNF Male | Q/F Female |
| MS038 | Q/F Male | M8 Conical Male |
| MS061 | ¼"-28 UNF Male | 10-32 UNF Male |
| MS079 | ¼"-28 UNF Male | Q/F Female |
| MS106 | Q/F Male | M10 Female |

Isolation

| Part # | From | To |
|--------|----------------|------------------|
| MS034 | ¼"-28 UNF Male | ¼"-28 UNF Female |
| MS093 | Q/F Male | M8 Male |

System connection

