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 underwater environments and areas with constant moisture or condensation. Sealed to IP68 and includes integral heavy duty polyurethane cable and ¼”-28UNF, M6 or M8 mounting bolt.

### MTN/1100SW

- **Applications**
  - General or heavy industry
  - Data collection
  - Paper machinery
  - Submersible pumps
  - Air handling units
  - Machine tools

### 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
- **Dynamic range** ±80g
- **Transverse sensitivity** Less than 5%
- **Electrical noise** 0.1mg max
- **Current range** 0.5 to 8mA
- **Temperature Range** -55 to 90 °C
- **Bias voltage** 12V DC (nominal)
- **Case material** Stainless steel
- **Cable** Integral polyurethane – length to be specified at point of order
- **Submersible depth** 100m max (10 bar)
- **Maximum cable length** 100m
- **Mounting torque** 8Nm
- **Weight** 170g (nominal)
- **Sealing** IP68
### Options

- Mounting bolts (see below)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mounting</th>
<th>xx = Optional sensitivity (±10%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTN/1100SW-xx</td>
<td>¼”-28 UNF x 33mm</td>
<td>10, 25, 30, 50</td>
</tr>
<tr>
<td>MTN/1100SWM6-xx</td>
<td>M6 x 35mm</td>
<td></td>
</tr>
<tr>
<td>MTN/1100SWM8-xx</td>
<td>M8 x 28mm</td>
<td></td>
</tr>
</tbody>
</table>

### System Connection

![Diagram of System Connection](image)