Dual purpose, top-entry, constant current accelerometer with isolated AC(g) and temperature outputs. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes 62GB 3-pin connector. Available with a wide range of mountings.

**Applications**

- Data collection
- Heavy industry
- Paper machinery
- Pumps, fans, etc

**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 140°C
- Bias voltage: 12V DC (nominal)
- Case material: Stainless steel
- Mating connector: MTN/MH008
- Maximum cable length: 1000m
- Mounting torque: 8Nm
- Weight: 110g (nominal)
- Sealing: IP67
MTN/1100T Series
General purpose industrial accelerometer with temperature sensor

Studs and grub screws

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS036</td>
<td>¼“-28 UNF Male</td>
<td>M6 Male</td>
</tr>
<tr>
<td>MS039</td>
<td>¼“-28 UNF Male</td>
<td>10-32 UNF Male</td>
</tr>
<tr>
<td>MS067</td>
<td>¼“-28 UNF Male</td>
<td>M8 Male</td>
</tr>
<tr>
<td>MS068</td>
<td>¼“-28 UNF Male</td>
<td>¼“-28 UNF Male</td>
</tr>
<tr>
<td>MS124</td>
<td>¼“-28 UNF Male</td>
<td>M10 Male</td>
</tr>
<tr>
<td>MS132</td>
<td>¼“-28 UNF Male</td>
<td>M12 Male</td>
</tr>
</tbody>
</table>

Mounting adapters

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS005</td>
<td>Q/F Male</td>
<td>¼“-28 UNF Female</td>
</tr>
<tr>
<td>MS007</td>
<td>Q/F Male</td>
<td>10-32 UNF Female</td>
</tr>
<tr>
<td>MS008</td>
<td>Q/F Male</td>
<td>M8 Female</td>
</tr>
<tr>
<td>MS011</td>
<td>¼“-28 UNF Male</td>
<td>Q/F Female</td>
</tr>
<tr>
<td>MS013</td>
<td>¼“-28 UNF Male</td>
<td>Glue base</td>
</tr>
<tr>
<td>MS033</td>
<td>¼“-28 UNF Male</td>
<td>Q/F Female</td>
</tr>
<tr>
<td>MS038</td>
<td>Q/F Male</td>
<td>M8 Conical Male</td>
</tr>
<tr>
<td>MS061</td>
<td>¼“-28 UNF Male</td>
<td>10-32 UNF Male</td>
</tr>
<tr>
<td>MS079</td>
<td>¼“-28 UNF Male</td>
<td>Q/F Female</td>
</tr>
<tr>
<td>MS106</td>
<td>Q/F Male</td>
<td>M10 Female</td>
</tr>
</tbody>
</table>

Quick fit adapters

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS001</td>
<td>Q/F Male</td>
<td>Glue base</td>
</tr>
<tr>
<td>MS002</td>
<td>Q/F Male</td>
<td>M8 Male</td>
</tr>
<tr>
<td>MS003</td>
<td>Q/F Male</td>
<td>M10 Male</td>
</tr>
<tr>
<td>MS004</td>
<td>Q/F Male</td>
<td>¼“-28 UNF Male</td>
</tr>
<tr>
<td>MS006</td>
<td>Q/F Male</td>
<td>M6 Male</td>
</tr>
</tbody>
</table>

Isolation

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS034</td>
<td>¼“-28 UNF Male</td>
<td>¼“-28 UNF Female</td>
</tr>
<tr>
<td>MS093</td>
<td>Q/F Male</td>
<td>M8 Male</td>
</tr>
</tbody>
</table>

Options

- Filters
- Various connector assemblies
- Other sensitivities (see below)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mounting</th>
<th>xx = Optional Sensitivity (mV/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTN/1100T-xx</td>
<td>¼“-28 UNF Female</td>
<td>10 30 50 500 1000</td>
</tr>
<tr>
<td>MTN/1100TQ-xx</td>
<td>Q/F Female</td>
<td></td>
</tr>
</tbody>
</table>

System connection

Constant current source circuit and temperature

- +18 to +30V
- Constant current diode (0.5 to 8.0mA)
- 1μF
- 200k
- AC output
- 0V