MTN/1100SC Series
Low profile industrial accelerometer for restricted access installations

General purpose, side-entry, constant current accelerometer with isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Sealed to IP67 and includes integral stainless steel overbraided ETFE cable and ¼”-28 UNF, M6 or M8 mounting bolt.

MTN/1100SC

Applications
- General or heavy industry
- Data collection
- Paper machinery
- Pumps, fans etc
- 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 140°C
- Bias voltage: 12V DC (nominal)
- Case material: Stainless steel
- Cable: Integral stainless steel overbraided ETFE
- Standard cable length: 5m
- Maximum cable length: 100m
- Mounting torque: 8Nm
- Weight: 170g (nominal)
- Sealing: IP67
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/1100SC-xx</td>
<td>¼”-28 UNF x 33mm</td>
<td>10</td>
</tr>
<tr>
<td>MTN/1100SCM6-xx</td>
<td>M6 x 35mm</td>
<td>25</td>
</tr>
<tr>
<td>MTN/1100SCM8-xx</td>
<td>M8 x 28mm</td>
<td>30, 50</td>
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</tbody>
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System connection