MTN/1135C

Low profile industrial accelerometer with quick nut base

Small footprint, general purpose, side-entry constant current accelerometer with an isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Specially adapted for use on light weight, high speed machinery. Includes Sealed to IP67 and includes integral stainless overbraided ETFE cable with quick release, swivel base. Ultra-slim 15mm body and only 25mm high, ideal for use in restricted areas.

MTN/1135C

- General Industry
- Machine Tools
- Spindles

Applications

Technical

- Sensitivity: 100mV/g +/-10% at 80 Hz
- Frequency Response: 0.8Hz to 10KHz +/-5% (-3 dB at 0.5Hz)
- Mounted Base Resonance: 22 kHz (nominal)
- Isolation: Base Isolated
- Dynamic Range: +/-50 g
- Temperature Sensitivity: 0.08 %/°C
- Transverse Sensitivity: Less than 5%
- Electrical Noise: 0.1 mg max
- Current Range: 0.5 mA to 8 mA
- Temperature Range: -25 to 140 °C
- Bias Voltage: 12 Volts DC (nominal)
- Case Material: Stainless steel
- Cable: Integral s/s o/b single core ETFE
- Standard Cable Length: 5 metres
- Maximum Cable Length: 100 metres
- Mounting Torque: 8 Nm
- Weight: 30 gms (nominal)
- Sealing: IP67
Mounting Adaptors and Studs

Stud Adaptors

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS139</td>
<td>1/2”-20 UNF</td>
<td>M6</td>
</tr>
<tr>
<td>MS140</td>
<td>1/2”-20 UNF</td>
<td>Glue</td>
</tr>
</tbody>
</table>

Other Metric Adaptors Available on Request

Order Code Part No | Mounting | xx = Optional sensitivity range Available (+/- 10%)
-------------------|----------|-------------------------------------------------
MTN/1135CQN--xx    | 1/2”-20 UNF Female | 10 mV/g, 30 mV/g, 50 mV/g, 500 mV/g

System Connection

Constant Current Source Circuit

0.5 - 8.0 mA Current Diode

+18 to 30 Volts

200K

Volts Out A.C.

0 Volts

Monitoring System

We reserve the right to alter specifications without prior notice.