Small footprint, general purpose, top-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. Sealed to IP67 and includes integral stainless overbraided ETFE cable available with male, female and conical mountings. Ultra-slim 15mm body.

### Technical
- **Sensitivity**: 50 mV/g +/-10% nominal at 80 Hz
- **Frequency Response**: 2Hz to 15kHz +/-10%, (-3dB at 0.8Hz)
- **Mounted Base Resonance**: 22 kHz (nominal)
- **Isolation**: Base Isolated
- **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**: -55 to 140°C
- **Bias voltage**: 12 Volts DC (nominal)
- **Case Material**: Stainless Steel
- **Cable**: Integral Stainless Steel O/B ETFE
- **Standard Cable Length**: 5 metres
- **Maximum Cable Length**: 100 metres
- **Mounting Torque**: 8Nm (for M8 and M6), 6Nm (for 10-32 UNF)
- **Weight**: 30 gms (nominal)
- **Sealing**: IP67

### Applications
- General Industry
- Machine Tools
- Paper machinery
Mounting Adaptors and Studs

Male Studs

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS028</td>
<td>10-32 UNF Male</td>
<td>M8 Male</td>
</tr>
<tr>
<td>MS039</td>
<td>10-32 UNF Male</td>
<td>¼&quot;-28 UNF Male</td>
</tr>
<tr>
<td>MS065</td>
<td>10-32 UNF Male</td>
<td>M6 Male</td>
</tr>
</tbody>
</table>

Grub screws

<table>
<thead>
<tr>
<th>Part #</th>
<th>From</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS024</td>
<td>10-32 UNF Male</td>
</tr>
</tbody>
</table>

System Connection Details

- Monitoring System
  - +18 to 30 Volts
  - 0.5 - 8.0 mA Current Diode
  - 1uF
  - 200K
  - Volts Out A.C.
  - 0 Volts

1140F Pictured but connection is the same for all 1140 Series