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. Internal electronics are isolated to minimise noise with increased bias voltage stability. Sealed to IP67 and includes 2-pin MS connector and ¼”-28 UNF, M6 or M8 mounting bolt.

### MTN/2200S

![MTN/2200S Image]

#### 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
- **Mating connector**: MTN/MH002
- **Maximum cable length**: 100m
- **Mounting torque**: 8Nm
- **Weight**: 170g (nominal)
- **Sealing**: IP67
Options

- Cable assemblies
- 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/2200S-xx</td>
<td>¼&quot;-28 UNF x 33mm</td>
<td>10</td>
</tr>
<tr>
<td>MTN/2200SM6-xx</td>
<td>M6 x 35mm</td>
<td>25</td>
</tr>
<tr>
<td>MTN/2200SM8-xx</td>
<td>M8 x 28mm</td>
<td>30</td>
</tr>
</tbody>
</table>

System connection

```
+18 to +30V

Constant current source circuit

1µF

AC output

200k

DV

Velocity +ve

PIN A

Velocity -ve

PIN B
```