Model 777/777B
General purpose accelerometer

**Dynamic**
- Sensitivity, ±10%, 25°C: 100 mV/g
- Acceleration range: 60 g peak
- Amplitude nonlinearity: 1%
- Frequency response at ±3 dB, nominal: 0.5 - 12,000 Hz
- Resonance frequency: 30 kHz
- Transverse sensitivity, max: 5% of axial
- Temperature response: ~50°C, ~10%; +85°C, +5%

**Electrical**
- Power requirement: voltage source: 18 - 30 VDC, current regulating diode: 2 - 10 mA
- Electrical noise, equiv. g:
  - Broadband: 2.5 Hz to 25 kHz: 700 µg
  - Spectral: 10 Hz: 10 µg/VHz, 100 Hz: 5 µg/VHz, 1000 Hz: 5 µg/VHz
- Output impedance, max: 100 Ω
- Bias output voltage: 12 VDC, case isolated (±10Ω at 100V), internally shielded
- Grounding: case isolated (>10^8 Ω at 100V), internally shielded

**Environmental**
- Temperature range: –50 to 85°C
- Vibration limit: 500 g
- Shock limit, min: 5,000 g
- Sealing: IP66
- Base strain sensitivity, max: 0.0005 g/μstrain

**Physical**
- Sensing element design: PZT ceramic / shear
- Weight: 75 grams
- Case material: stainless steel
- Mounting: 1/4 - 28 UNF tapped hole
- Output connector: see table
- Mating connector: see table
- Recommended cabling: J10

<table>
<thead>
<tr>
<th>Model</th>
<th>Connector</th>
<th>Power/ signal</th>
<th>Common</th>
<th>Mating connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>777</td>
<td>2 position terminal block</td>
<td>+</td>
<td>–</td>
<td>N/A</td>
</tr>
<tr>
<td>777B</td>
<td>BNC coaxial</td>
<td>center contact</td>
<td>shell</td>
<td>R2</td>
</tr>
</tbody>
</table>

Features
- Ground isolated
- ESD protection

Accessories supplied: SF6 1/4-28 mounting stud; protective vinyl boot (777 only)
Accessories available: SF6M 1/4-28 to M8 adapting stud