The **PPS25XM Extreme Memory Gauge** features an advanced piezo pressure transducer, high temperature electronics technology and a welded housing in order to maximize the gauge’s performance in high pressure and high temperature well conditions. Whether the gauge is used in high concentration CO₂ or H₂S the reinforced metal to metal seals prevent leaks, creating long term stability and reliability even in corrosive environments.

### Sensor Type

**Piezo**

### Pressure

<table>
<thead>
<tr>
<th>Range–psi</th>
<th>10K</th>
<th>15K</th>
<th>20K</th>
<th>25K</th>
<th>30K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy–psi</td>
<td>± 0.03% FS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resolution–psi</td>
<td>0.0003% FS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drift–psi/year</td>
<td>&lt;3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Temperature

<table>
<thead>
<tr>
<th>Rating–°C</th>
<th>150 (302 °F)</th>
<th>177 (350 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy–°C</td>
<td>± 0.5</td>
<td></td>
</tr>
<tr>
<td>Resolution–°C</td>
<td>0.01</td>
<td></td>
</tr>
</tbody>
</table>

### Characteristics

- **Service**: Sour Services
- **Power Source**: Lithium Battery Pack
- **Communication**: USB / RS232
- **Data Set**: Time / Pressure / Temperature
- **Max OD–inches**: 1.27 (32 mm) | 1.375 (35 mm)
- **Overall Length–inches**: 17.8 (452 mm) | 20 (508 mm)
- **Housing Material**: Inconel 718 | MP35N
- **Sampling Rate**: 1 sec to 18 hours per sample
- **Memory Capacity**: 2,000,000 data sets (4 million data sets optional)

**Applications:**

- **Pressure Build-up Tests**
- **Pressure Gradients**
- **Pre/During/Post Stimulation Evaluation**
- **Interference Tests**
- **Fracturing Monitoring**
- **Drill Stem Tests**