PPS28-200°C Quartz Memory Gauge

The PPS28-200°C Quartz Memory Gauge integrates a hybrid quartz pressure transducer with PPS’s proprietary hybrid high temperature electronics module, metal-to-metal and elastomer sealing technology for reliability in extreme conditions. Thanks to the latest innovations in hybrid electronic technology gauge life is greatly extended at extreme temperature, an advantage that allows the PPS28 gauge to dependably perform at a maximum temperature of 200 °C (392 °F).

Applications:

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

Sensor Type       Quartz

Pressure

<table>
<thead>
<tr>
<th>Range—psi</th>
<th>16K</th>
<th>20K</th>
<th>25K</th>
<th>30K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy—psi</td>
<td>± 0.02%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resolution—psi</td>
<td>&lt;0.01</td>
<td></td>
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<tr>
<td>Drift—psi/year</td>
<td>&lt;0.02% FS</td>
<td></td>
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</tbody>
</table>

Temperature

<table>
<thead>
<tr>
<th>Rating—°C</th>
<th>200 (392 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy—°C</td>
<td>± 0.2</td>
</tr>
<tr>
<td>Resolution—°C</td>
<td>&lt;0.005</td>
</tr>
</tbody>
</table>

Characteristics

Service          Sour Services
Power Source     Lithium Battery Pack
Communication    USB / RS232
Data Set         Time / Pressure / Temperature
Max OD—inches    0.75 (19 mm) | 1.27 (32 mm) | 1.375 (34 mm)
Overall Length—inches 24.8 (630 mm) | 25.2 (640 mm)
Housing Material  Inconel 718 | MP35N
Sampling Rate    1s – 18hrs/per sample (0.1s – 1.8hrs/per sample optional)
Memory Capacity  2,000,000 data sets