Titanium Pressure Sensor

- Extremely robust and accurate tank gauging sensor
- Absolute gauging technique - sensor completely sealed
- Made in high grade Titanium, highly resistive to corrosive warm ballast water.
- Semi flush diaphragm and low movement - reading is normally not affected by sludge or wet sediments
Technical data

### Measuring data

<table>
<thead>
<tr>
<th>Measuring principle</th>
<th>Absolute pressure (no vent tube)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure ranges (absolute)</td>
<td>0.7...2.0 bar / 10...30 psi 0.7...3.5 bar / 10...50 psi 0.7...5.0 bar / 10...80 psi</td>
</tr>
<tr>
<td>Overpressure capabilities</td>
<td>18 bar / 261 psi (0.7...2.0 bar) 22 bar / 319 psi (0.7...3.5 bar) 25 bar / 362 psi (0.7...5.0 bar)</td>
</tr>
<tr>
<td>Burst pressure</td>
<td>150 bar / 2176 psi</td>
</tr>
<tr>
<td>Moving distance pressure element</td>
<td>30 µm / 0.001&quot;</td>
</tr>
</tbody>
</table>

### Measuring accuracy

- Overall accuracy: +/- 0.25% Full Range Output (FRO)
- Long term stability: +/- 0.05% Full Range Output (FRO)

### Ambient conditions

- Compensated temp. range: -20...+80°C / -4...+175°F
- Operating temp. range: -40...+125°C / -40...+260°F
- Ingress protection: IP68

### Product conditions

- Media: Measures all liquids
- Materials:
  - Pressure element: Ceramic capacitive element
  - Ceramic diaphragm: 99.9% Al2O3
  - Housing: Titanium GR II
  - Sealing: Completely filled with PUR

### Power supply

- Supply voltage: 18...32 V DC
- Output:
  - Signal output: 4...20 mA / 1...10 mV

### Certificates and approvals

- Ex approval: EEx ia IIC T4...T6
- Type approvals: All major classification societies

### Dimensions

- [Dimensions diagram]

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