Cargo Manifold and Pump Pressure Transmitter

- For cargo lines, manifolds and pump pressure
- For vapour recovery line pressure
- Robust design for deck mounting (IP68)
- Semi flush diaphragm for easy maintenance
Technical data

<table>
<thead>
<tr>
<th>Measuring data</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring principle</td>
<td>Ceramic Capacitive</td>
</tr>
<tr>
<td>Sensor type</td>
<td>DMK 457-special</td>
</tr>
<tr>
<td>Pressure ranges (absolute)</td>
<td>0 - 400 psia</td>
</tr>
<tr>
<td>Overpressure</td>
<td>100 bar</td>
</tr>
<tr>
<td>Burst pressure</td>
<td>&gt; 200 bar</td>
</tr>
</tbody>
</table>

**Measuring accuracy**
- Overall accuracy: +/- 0.35% (including hysteresis and repeatability)
- Long term stability: ≤ 0.1% FSO / year

**Ambient conditions**
- Compensated temperature range: -25...+85°C / -4...+175°F
- Permissible temperature range (median): -25...+85°C / -4...+175°F
- Ingress protection: IP68

**Product conditions**
- Media: Measures all gases and liquids

**Materials**
- Pressure element: Piezo resistive
- Diaphragm: Ceramic, Al₂O₃ 99.7%
- Housing: 316 L

**Process connection**
- Threaded: 1/2” BSP (flange on request)

**Power supply and output**
- Supply voltage: 10 - 30 V DC
- Signal output: 4...20 mA

**Certificates and approvals**
- Ex approval: EEx ia IIC T4
- IACS approvals: DNV

Dimensions

**Manifold and pump pressure monitoring**
The P-140 has a robust design suitable for deck mounting. Mounted on cargo lines, the sensor will monitor pressure during cargo operations. The sensor installation is designed for easy maintenance.