**Pressure Sensor - EPT2200**

- Long life and high performance
- Rugged brass design
- Low cost pressure measuring

The newly designed **EPT2200** is based on the EPT2100 but optimised for large production runs and is an ideal pressure transducer for cost sensitive applications.

The monolithic measuring cells used within this design coupled with the high level output circuitry, assures excellent accuracy and long term stability within a light weight design.

The monolithic sensing element is compatible with many medias, including oil and compressed air and is suitable for applications with measuring ranges from 0...6 to 40 bar.

### Specification

**Performance**

- **Accuracy:** < +/-1.0% at RT
- **Stability (1 Year):** < ± 0.1 %
- **Overrange pressure:** up to 2x rated pressure / max 69bar
- **Burst pressure:** up to 5x rated pressure / max 103bar
- **Pressure cycles:** > 10 million

**Environment**

- **Temperature:** -40° to 105°C
- **Shock:** 1000 G, 11 mscc, 1/2 Sine
- **Vibration:** 16 G peak, 20 to 2000 Hz
- **Sealing:** IP 66

**Electronics**

- **Excitation:** 5 VDC at 0.5 - 4.5 V, 10 - 32 VDC for 4...20 mA output
- **Current consumption:** < 7.5 mA
- **Short circuit protection:** Yes
- **Reverse voltage protection:** Yes

**Mechanics**

- **Housing:** Brass
- **Pressure port:** see select table
- **Electrical connection:** see select table
- **Weight:** ca. 25 g

**Ordering information**

(please use the characters in the chart below to construct your product code)

**Sample Code:** EPT2200 - A - 01000 - B - 5 - A

<table>
<thead>
<tr>
<th>Series</th>
<th>Port Configuration</th>
<th>Pressure Range</th>
<th>Pressure Unit</th>
<th>Output Signal</th>
<th>Electrical Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPT 2200</td>
<td>A - G1/4A male</td>
<td>G - ¼”SAE Female A ¾” UNF Female incl. Schrader valve opener</td>
<td>M12 - M12x1.5 male</td>
<td>≥ 2 ... 40 bar</td>
<td>A - 600 mm cable B - Miniature EN175301-803-C connector C - connector - Packard Metripac</td>
</tr>
</tbody>
</table>

### Dimensions and wiring

**Connection colour codes**

<table>
<thead>
<tr>
<th>Type</th>
<th>Output</th>
<th>Pin A</th>
<th>Pin B</th>
<th>Pin C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packard</td>
<td>0.5 - 4.5V</td>
<td>- Supply</td>
<td>+ Supply</td>
<td>Output +</td>
</tr>
<tr>
<td>4.20mA Current output</td>
<td>- Supply</td>
<td>+ Supply</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>DIN EN 175301-803-C</td>
<td>0.5 - 4.5V</td>
<td>- Supply</td>
<td>+ Supply</td>
<td>Output +</td>
</tr>
<tr>
<td>4.20mA Current output</td>
<td>- Supply</td>
<td>+ Supply</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Cable</td>
<td>0.5 - 4.5V</td>
<td>- Supply</td>
<td>Black</td>
<td>White</td>
</tr>
<tr>
<td>4.20mA Current output</td>
<td>+ Supply</td>
<td>Current output</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

The EPT2200 series are backed by a 1 Year Warranty. The purchaser is responsible for compatibility of the media, functional adequacy and correct installation of the transmitter.