Electronic Pressure-Level Transmitters: **8000 Series**

- 0.29% accuracy of span.
- Stainless steel housing.
- Active temperature compensation.
- Zero / Span internally adjustable.
- Strong flush diaphragms.
- Many process connections.
- ATEX EEx ia.

**Performance characteristics**

**Enclosure / Housing**
- Robust stainless steel 304. Protection to IP66.

**Process connections**
- Weld on nipple diam. 33mm (flush diaphragm) (equal to 1" PMC).
- G1" (1" BSP) threaded connection.
- 1" NPT threaded connection.
- Others available – please specify.

**Ranges**
- From 0.1 up to 50 bar, with max overpressure of 120 bar.

**Accuracy**
- ± 0.2% of adjusted span.

**Additional Information**
- Specially designed for pulp and paper where clogging is a problem.
- Diaphragm only 26mm diameter. This ensures no solids can collect in any crevices.

**Product applications**

The 8000 is suitable for a wide range of applications in many industry sectors:
- Pulp and paper – stock lines, refiners, screens, cleaners, vacuum boxes etc.

The choice of models available ensures that the 8000 is suitable for use in:
- Corrosive atmospheres
- Resistant to chemical attack

**How can we help you?**
Delta Controls’ range of reliable pressure and temperature measurement instruments can be customised to meet individual requirements. For technical advice or to discuss your application, please contact us on +44 (0)1252 729140
Ordering Code

<table>
<thead>
<tr>
<th>Model Number</th>
<th>8000</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RANGES, bar</th>
<th>Code</th>
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<tbody>
<tr>
<td>Min. Span</td>
<td>Max. Span</td>
</tr>
<tr>
<td>0 to 0.1</td>
<td>0 to 0.4</td>
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<tr>
<td>0 to 0.4</td>
<td>0 to 0.7</td>
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<tr>
<td>0 to 0.7</td>
<td>0 to 1.5</td>
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<td>0 to 4</td>
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<td>0 to 2.5</td>
<td>0 to 10</td>
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<td>0 to 7.5</td>
<td>0 to 16</td>
</tr>
<tr>
<td>0 to 16</td>
<td>0 to 50</td>
</tr>
</tbody>
</table>

Process connection description

- Weld on nipple 33mm diaphragm. Viton 'O' ring and M8. Lock screw to 16 bar. W
- Mounting nipple outside thread 1" BSPP (G1") WTB
- Mounting nipple outside thread 1" NPT WTN

Special engineering
Enter "G" and please specify in full G

Technical Data

- Measuring Ranges: From 0-0.1 to 50 Bar
- Output Signal: 2-wire, 4-20mA
- Overall Accuracy: ± 0.25% adjusted span.
- Hysteresis: <0.1% of adjusted span.
- Repeatability: <0.1% of adjusted span.
- Power Supply: 13 to 40 VDC
- Electrical Connection: PG9 compression gland.
- Load (max): 450 ohm/24V and 1250 ohm/40V
- Protection Grade: IEC 144-IP66
- Response time: 50ms
- Power Pressure: See ordering information
- Process Temperature: Standard -40°C to 100°C.
- Temperature Effect: Range B-C ±0.03%/K adjusted span Range D-G ± 0.015%/K adjusted span
- Ambient Temperature: -30°C to +85°C.
- Adjustment: Zero and span internally
- Process connections: See ordering information
- Wetted parts Material: Standard AISI 316
- Material Housing: AISI 304

Dimensions

1. Cover
2. O-ring
3. Vent
4. Cable entry
5. Electrical compartment
6. Connecting part
7. Diaphragm ring
8. M8 screw
9. Weld on nipple / flange
10. O-ring
11. O-ring

In the interest of development and improvement Delta Controls Ltd, reserves the right to amend, without notice, details contained in this publication. No legal liability will be accepted by Delta Controls Ltd for any errors, omissions or amendments.

Delta Controls Limited
Riverside Business Park, Dogflud Way, Farnham, Surrey GU9 7SS, UK.
T+44 (0)1252 729140  F+44 (0)1252 729168  E sales@delta-controls.com  W www.delta-controls.com