SUBMERSIBLE PRESSURE TRANSMITTER
FOR LEVEL AND DEPTH MEASUREMENT
STANDARD AND METRIC MODELS

4-20 mA Output
0-4 to 0-15 psi
0-275 mb to 1 bar
38 mm (1.5") Dia.

Px78/PXM78 Series

✓ All Stainless Steel Housing
✓ Hermetically Sealed
✓ Protective Cap Included
✓ 3 m (10") Vented Cable Standard

Omega's px78/PXM78 are submersible transmitter suitable for liquid level and depth measurement. Their all stainless steel, hermetically sealed housing makes them suitable for immersion in most industrial liquids and oils. A 3 m (10") vented cable (longer lengths available) provides an atmospheric pressure reference.

Specifications

Excitation: 10 to 40 Vdc
Output: 4 to 20 mA ±10%
Max Loop Resistance: (Input voltage – 10) x 50
Zero Balance: 4 mA ±0.5%
Accuracy: 0.5% linearity, hysteresis and repeatability combined
Operating Temp Range: -29 to 93°C (-20 to 200°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
Span: 0.0054% rdg/°C
Zero: 0.009% FSO/°C
Proof Pressure: 150% of rated pressure
Burst Pressure: 300% of rated pressure
Wetted Parts: 316 stainless steel diaphragm, 17-4 stainless steel housing

Pressure Port: Nose protector included
Electrical Connection: 3 m (10") PVC-insulated shielded and vented cable

Notice: OMEGA does not offer a warranty on this product, its use, or application. It is the end user's responsibility to assure proper installation and use of this transmitter.

Px78/PXM78 Series

STANDARD MODELS

To Order [3 m (10") Cable]

<table>
<thead>
<tr>
<th>psig</th>
<th>bar</th>
<th>ftH2O</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 4</td>
<td>0 to 0.27</td>
<td>9.2</td>
<td>PX78U7-004GI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
<tr>
<td>0 to 5</td>
<td>0 to 0.34</td>
<td>11.5</td>
<td>PX78U7-005GI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
<tr>
<td>0 to 10</td>
<td>0 to 0.69</td>
<td>23.1</td>
<td>PX78U7-010GI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
<tr>
<td>0 to 15</td>
<td>0 to 1.0</td>
<td>34.6</td>
<td>PX78U7-015GI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
</tbody>
</table>

METRIC MODELS

<table>
<thead>
<tr>
<th>mbar</th>
<th>psi</th>
<th>ftH2O</th>
<th>MODEL NO.</th>
<th>COMPATIBLE METERS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 270</td>
<td>0 to 4</td>
<td>2.8</td>
<td>PX78U7-275MBARGI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
<tr>
<td>0 to 350</td>
<td>0 to 5</td>
<td>3.6</td>
<td>PX78U7-350MBARGI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
<tr>
<td>0 to 700</td>
<td>0 to 10</td>
<td>7.1</td>
<td>PX78U7-700MBARGI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
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<tr>
<td>0 to 1 bar</td>
<td>0 to 15</td>
<td>10.2</td>
<td>PX78U7-001BARGI</td>
<td>DP41-E, DP25B-E, DP24-E</td>
</tr>
</tbody>
</table>

Comes complete with NIST traceable calibration, desiccant and operator's manual.

* Visit us online for compatible meters.

To order with extra cable, add suffix “-(length in meters)M” and additional cost beyond standard 3 m (10") length.

Ordering Examples: PX78U7-015GI-100FT, 15 psi transmitter with 4 to 20 mA output and 30 m (100') vented cable.

PX78U7-350MBARGI-30M, 350 mbar gage pressure transmitter with 4 to 20 mA output and 30 m (100') total length of vented cable.

ACCESSORY

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>A019385</td>
<td>Replacement desiccant</td>
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</table>