Versatility is the key with our Series 666 Rangeable Differential Pressure Transmitter. Up to 6 field selectable pressure ranges are available in a single model. Four dipswitches located inside the transmitter case make calibration simple and easy. ABS plastic housing provides environmental protection per NEMA 4 (IP65). Units can withstand overpressure to 10 psig. Single range models are available with a digital display for local indication. Low pressure ranges and ±1% full scale accuracy make these transmitters ideal for HVAC and energy management applications.

**MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Ranges, Inches W.C.</th>
<th>Model Number</th>
<th>Ranges, Inches W.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>666-1</td>
<td>0 to 0.1, 0 to ±0.05</td>
<td>666-1D</td>
<td>0 to 0.1&quot;</td>
</tr>
<tr>
<td>666-2</td>
<td>0 to ±0.25, 0 to 0.5</td>
<td>666-2D</td>
<td>0 to 1&quot;</td>
</tr>
<tr>
<td>666-3</td>
<td>0 to ±1.25, 0 to ±2.5</td>
<td>666-3D</td>
<td>0 to 5&quot;</td>
</tr>
<tr>
<td>666-4</td>
<td>0 to ±7.5, 0 to 0.15</td>
<td>666-4D</td>
<td>0 to 25&quot;</td>
</tr>
</tbody>
</table>

*Models with “D” suffix offer Digital Display.

**SPECIFICATIONS**

Service: Air and non-corrosive gases.
Wetted Materials: Brass.
Accuracy: ±1% of full scale (RSS) (includes non-linearity, hysteresis, and non-repeatability).
Temperature Limits: Operating: 0 to 150°F (-18 to 65°C), Storage: -65 to 104°F (-54 to 40°C).
Pressure Limits: 10 psig (0.7 kg/cm²).
Compensated Range: 40 to 150°F (5 to 65°C).
Thermal Effects: ±0.033% FS/F (0.06% FS/°C) includes zero and span.

**Dwyer® Differential Pressure Transducer**

Low Cost, Ranges from ±0.5” w.c., Voltage Output

**MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Range</th>
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<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>646-0</td>
<td>±0.5” w.c.</td>
<td>646-5</td>
<td>0 to 5” w.c.</td>
</tr>
<tr>
<td>646-1</td>
<td>0 to 1” w.c.</td>
<td>646-6</td>
<td>0 to 10” w.c.</td>
</tr>
<tr>
<td>646-2</td>
<td>0 to 2” w.c.</td>
<td>646-7</td>
<td>±5.0” w.c.</td>
</tr>
<tr>
<td>646-3</td>
<td>±1.0” w.c.</td>
<td>646-8</td>
<td>±10.0” w.c.</td>
</tr>
<tr>
<td>646-4</td>
<td>±2.0” w.c.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

Service: Compatible gas and air.
Wetted Materials: Graphite filled, nylon housing, 96% alumina ceramic sensor, silicone seal.
Accuracy: Non-linearity: ±0.5% FS max, Hysteresis and Repeatability: ±0.05% FS max.
Temperature Limits: Operating: 14 to 140°F (-10 to 60°C).
Pressure Limits: Line Pressure: 1 psi. Overload Pressure: High side: 5x rated pressure. Low side: 3x rated pressure.
Compensated Temperature Range: 50 to 104°F (10 to 40°C).
Thermal Effects: Zero Temp Effects: ±1.5% FS (±2.0” H₂O).
Span Temp Effects: ±1.5% FS (±2.0” H₂O).
Power Requirements: 9-30 VDC.
Output Signal: 4 to 20 mA, 2-wire.
Response Time: <0.25 sec.
Loop Resistance: 0-500 ohms.
Electrical Connection: Screw terminal strip with PG-9 cable strain relief.
Pressure Connection: 3/16” O.D. barbed brass pressure fitting for 1/4” I.D. tubing.
Mounting: 2 mounting tabs with #8 holes.
Weight: 2.5 oz (0.07 kg).

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