**Fixed Range Differential Pressure Transmitter**

Explosion-Proof, 0.5% Accuracy

Series 636D Fixed Range Differential Pressure Transmitter can be used for measuring pressures of liquids, gases & vapors. All available ranges have an excellent 0.5% FS accuracy with a 4-20 mA Output standard or optional 1-5 V DC output. The NEMA 4 housing is an all 316 welded construction that is designed to withstand the harshest environmental conditions. With all 316L welded materials, this transmitter is compatible with most media. These units are CSA approved explosion-proof for use in the specified hazardous locations and meet NACE standards for offshore applications.

**Features/Benefits**

- NEMA 4X rated enclosure provides protection in harsh environments permitting outdoor monitoring or in areas where dust and particulate matter exists.
- Explosion-proof device for use in hazardous areas.
- Versatile, high-accuracy device for liquid or gas supports designs requiring more precise measurements in support of application.

**Applications**

- Pump differential pressure
- Critical process monitoring
- Off shore applications

**Table: Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Model 1-5 VDC Out</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>636D-0</td>
<td>0 to 6 psid</td>
<td>636D-0-LP</td>
<td>0 to 6 psid</td>
</tr>
<tr>
<td>636D-1</td>
<td>0 to 15 psid</td>
<td>636D-1-LP</td>
<td>0 to 15 psid</td>
</tr>
<tr>
<td>636D-2</td>
<td>0 to 30 psid</td>
<td>636D-2-LP</td>
<td>0 to 30 psid</td>
</tr>
<tr>
<td>636D-3</td>
<td>0 to 60 psid</td>
<td>636D-3-LP</td>
<td>0 to 60 psid</td>
</tr>
<tr>
<td>636D-4</td>
<td>0 to 100 psid</td>
<td>636D-4-LP</td>
<td>0 to 100 psid</td>
</tr>
<tr>
<td>636D-5</td>
<td>0 to 150 psid</td>
<td>636D-5-LP</td>
<td>0 to 150 psid</td>
</tr>
<tr>
<td>636D-6</td>
<td>0 to 200 psid</td>
<td>636D-6-LP</td>
<td>0 to 200 psid</td>
</tr>
<tr>
<td>636D-7</td>
<td>0 to 300 psid</td>
<td>636D-7-LP</td>
<td>0 to 300 psid</td>
</tr>
<tr>
<td>636D-8</td>
<td>0 to 500 psid</td>
<td>636D-8-LP</td>
<td>0 to 500 psid</td>
</tr>
</tbody>
</table>

**Specifications**

- Service: Compatible gases, liquids, or vapors.
- Wetted Materials: Types 316L SS.
- Accuracy: ±0.5% FS (includes non-linearity, hysteresis, and repeatability).
- Stability: ±1.0 FS/yr.
- Pressure Limits: 3 x FS differential pressure; Burst: 2500 psig.
- Temperature Limits: Ambient operating: -40 to 140°F (-40 to 60°C); Process: -40 to 200°F (-40 to 93°C).
- Compensated Temperature Range: -20 to 160°F (-29 to 71°C).
- Thermal Effect: ±2% FS/50°F (reference to 77°F).
- Power Requirements: 12-30 V DC for 4-20 mA outputs; 8-14 V DC for 1-5 V DC outputs, both with reverse polarity protection.
- Output Signal: 4-20 mA DC or 1-5 V DC.

**Options**

- Use order code: Description
- NISTCAL-PT1 NIST traceable calibration certificate

**Series 655A**

316 Wet/Wet Differential Pressure Transmitter

Ranges Down to 3 in w.c., 6-Point NIST Certificate Included

The Series 655A 316 Wet/Wet Differential Pressure Transmitter is designed for high static/low DP applications designed especially for the End Users and OEM’s where extreme overpressure and high performance of 0.25% accuracy and stability are required at ranges down to 3 in w.c. Each unit includes a 6-point NIST certificate of calibration which demonstrates the unit’s high level of performance.

**Features/Benefits**

- Extreme overpressure and stability at low ranges provides durable device for OEM and end-user applications.
- High-accuracy device for low differential pressure designs requiring more precise measurements in support of application.
- NIST certificate available to demonstrate high-level of performance in support of application.
- Extreme overpressure and stability at low ranges provides durable device for OEM calibration which demonstrates the unit’s high level of performance.

**Applications**

- Pump differential pressure
- Critical process monitoring
- Low Differential pressure OEM applications

**Table: Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Model</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>655A-00-C</td>
<td>0 to 3 in w.c.</td>
<td>655A-00-P</td>
<td>0 to 3 in w.c.</td>
</tr>
<tr>
<td>655A-01-C</td>
<td>0 to 5 in w.c.</td>
<td>655A-01-P</td>
<td>0 to 5 in w.c.</td>
</tr>
<tr>
<td>655A-02-C</td>
<td>0 to 6 in w.c.</td>
<td>655A-02-P</td>
<td>0 to 6 in w.c.</td>
</tr>
<tr>
<td>655A-03-C</td>
<td>0 to 10 in w.c.</td>
<td>655A-03-P</td>
<td>0 to 10 in w.c.</td>
</tr>
<tr>
<td>655A-04-C</td>
<td>0 to 15 in w.c.</td>
<td>655A-04-P</td>
<td>0 to 15 in w.c.</td>
</tr>
<tr>
<td>655A-05-C</td>
<td>0 to 20 in w.c.</td>
<td>655A-05-P</td>
<td>0 to 20 in w.c.</td>
</tr>
<tr>
<td>655A-06-C</td>
<td>0 to 30 psid</td>
<td>655A-06-P</td>
<td>0 to 30 psid</td>
</tr>
<tr>
<td>655A-07-C</td>
<td>0 to 2 psid</td>
<td>655A-07-P</td>
<td>0 to 2 psid</td>
</tr>
</tbody>
</table>

**Note:** Change “C” to “P” for optional 6 pin male connection.

**Specifications**

- Service: Compatible gases, liquids, or vapors.
- Wetted Materials: Types 316L SS.
- Accuracy: ±0.25% BSFL, RSS (combined effect of non-linearity, hysteresis, and repeatability).
- Stability: ±0.25% FS/yr.
- Pressure Limits: -20 to 200°F (-29 to 93°C).
- Compensated Temperature Limits: -20 to 160°F (-29 to 71°C).
- Thermal Effect: ±0.5% FS/50°F (reference to 77°F).
- Power Requirements: 8-38 V DC, 2 mA output; 8-16 V DC for voltage outputs.
- Output Signal: 4-20 mA, 3 mA for voltage outputs.
- Response Time: < 10 ms.
- Loop Resistance: 1500 Ω.
- Electrical Connections: Cable exit with 24˝ cable; optional 6-pin connector.
- Process Connections: 1/4” NPT female.
- Enclosure Rating: Designed to meet NEMA 4 (IP66).
- Mounting Orientation: Mount in vertical position; zero shifts up to ±1 in w.c.
- Weight: 15 lb (0.68 kg).

**Accessories**

- A-232 Connection with cable (3’); for 6 pin connection models.