**DIN Rail Differential Pressure Transmitter**

Mounts on 35 mm DIN Rail

The Series 616D Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The 616D enclosure is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. The versatile circuit design enables operation in 2-wire current loops.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Max. Press.</th>
</tr>
</thead>
<tbody>
<tr>
<td>616D-2</td>
<td>0-6 in w.c.</td>
<td>5 psig</td>
</tr>
<tr>
<td>616D-3</td>
<td>0-10 in w.c.</td>
<td>5 psig</td>
</tr>
<tr>
<td>616D-4</td>
<td>0-20 in w.c.</td>
<td>11 psig</td>
</tr>
<tr>
<td>616D-5</td>
<td>0-40 in w.c.</td>
<td>11 psig</td>
</tr>
<tr>
<td>616D-6</td>
<td>0-100 in w.c.</td>
<td>29 psig</td>
</tr>
<tr>
<td>616D-7</td>
<td>0-200 in w.c.</td>
<td>29 psig</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** 302 SS, glass, nickel, silicone rubber and brass.
- **Accuracy:** ±0.25% FS at 70°F.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).
- **Pressure Limits:** See chart.
- **Thermal Effects:** ±0.02% F.S./°F (0.0012% F.S./°C).
- **Power Requirements:** 10-35 VDC (2-wire).
- **Output Signal:** 4 to 20 mA.

See page 587 for process tubing options.

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**DIN Rail Mount Differential Pressure Transmitter**

Mounts on 35 mm DIN Rail, LED Status Indication

The Series 607D DIN Rail Mount Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4 to 20 mA output signal. The 607D housing is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. The versatile circuit design enables operation in 2-wire current loops.

<table>
<thead>
<tr>
<th>Model</th>
<th>Range (in w.c.)</th>
<th>Max. Press.</th>
</tr>
</thead>
<tbody>
<tr>
<td>607D-02</td>
<td>0 to 0.1</td>
<td>0 to ±0.05</td>
</tr>
<tr>
<td>607D-03</td>
<td>0 to 0.25</td>
<td>0 to ±0.1</td>
</tr>
<tr>
<td>607D-04</td>
<td>0 to 1</td>
<td>0 to ±0.25</td>
</tr>
<tr>
<td>607D-05</td>
<td>0 to 2.5</td>
<td>0 to ±0.5</td>
</tr>
<tr>
<td>607D-06</td>
<td>0 to 5</td>
<td>0 to ±1</td>
</tr>
<tr>
<td>607D-07</td>
<td>0 to 10</td>
<td>0 to ±1</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Air and non-conductive, non-corrosive gases.
- **Wetted Materials:** 302 SS, glass, nickel, silicone rubber and brass.
- **Accuracy:** ±0.25% FS at room temperature. "RSS includes non-linearity, hysteresis, and non-repeatability.
- **Stability:** ±1% FS/yr.
- **Temperature Limits:** Operating and compensated: 0 to 170°F (-18 to 77°C).
  Storage: -65 to 185°F (-54 to 85°C).
- **Pressure Limits:** 15 psi (100 kPa).
- **Thermal Effects:** (Includes zero and span) ±0.01 FS/°F, 20 to 170°F (-7 to 77°C).

**Zero and Span Adjustments:** Potentiometers for zero and span.

**Power Requirements:** 16 to 32 VDC.

Zero Adjustment: Potentiometer for zero.

Response Time: Approximately 10 ms.

Max. Loop Resistance: DC: 0 to 800 Ω.

Electrical Connections: Screw-type removeable terminal block.

Process Connections: Barbed fittings for 1/8” (3.12 mm) and 3/16” (4.77 mm) ID rubber or vinyl tubing.

Mounting Orientation: Vertical, on a 1.378” (35 mm) DIN rail.

Weight: 7.0 oz (198 g).

Agency Approval: CE.

See page 587 for process tubing options.