**Differential Pressure Transducer**

Ranges from 0 to 0.25 in. w.c., Overpressure Protection to 10 psig, ±1% Accuracy

Our low cost Series 668 Differential Pressure Transmitter is capable of measuring low pressures with a ±1% accuracy — ideally suited for proper building pressurization and air flow control. Transmitters can withstand up to 10 psig overpressure with no damage to the unit. Variable capacitance sensor design provides excellent sensitivity and long-term stability. Compact, lightweight design makes installation simple and easy. Units also feature reverse-polarity protection.

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### MODELS

<table>
<thead>
<tr>
<th>Model Number*</th>
<th>Range</th>
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<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>668-1</td>
<td>0 to 0.25 in. w.c.</td>
<td>668-5</td>
<td>0 to 5.0 in. w.c.</td>
</tr>
<tr>
<td>668-2</td>
<td>0 to 0.5 in. w.c.</td>
<td>668-6</td>
<td>0 to 10 in. w.c.</td>
</tr>
<tr>
<td>668-3</td>
<td>0 to 1 in. w.c.</td>
<td>668-7</td>
<td>0 to 25 in. w.c.</td>
</tr>
<tr>
<td>668-4</td>
<td>0 to 2.5 in. w.c.</td>
<td>668-8</td>
<td>0 to 50 in. w.c.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>668-9</td>
<td>0 to 100 in. w.c.</td>
</tr>
</tbody>
</table>

*Also available with optional conduit cover. To order add “C” to part number, i.e. 668C-1. Consult factory for additional information.

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### Low cost Series 646 Pressure Transducer

Low cost Series 646 Pressure Transducer is designed for use with air and inert gases and can accurately measure differential pressure down to ±0.5 w.c. The transducer utilizes a fast response capacitive sensor and is temperature compensated for stable output. Units provide an amplified voltage output signal ideal for VAV systems, filter monitoring, HVAC fan control, building pressurization and leak detection systems.

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### MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Range</th>
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</tr>
</thead>
<tbody>
<tr>
<td>604-0</td>
<td>±0.5 w.c.</td>
<td>604-5</td>
<td>0 to 5 w.c.</td>
</tr>
<tr>
<td>604-1</td>
<td>0 to 1 w.c.</td>
<td>604-6</td>
<td>0 to 10 w.c.</td>
</tr>
<tr>
<td>604-2</td>
<td>0 to 2 w.c.</td>
<td>604-7</td>
<td>±5.0 w.c.</td>
</tr>
<tr>
<td>604-3</td>
<td>±1.0 w.c.</td>
<td>604-8</td>
<td>±10.0 w.c.</td>
</tr>
<tr>
<td>604-4</td>
<td>±2.0 w.c.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Specifications

**Service**: Air and non-conductive gases.

**Accuracy**: ±1% of full scale (RMS) (includes non-linearity, hysteresis, and non-repeatability).

**Temperature Limits**: Operating: 0°F to 150°F (-18 to 65°C).

**Pressure Limits**: ±10 psig.

**Compensated Temperature**

- **Range**: 0 to 10°F (–18 to 65°C)
- **Thermal Effects**: ±0.05% FS max.
- **Non-linearity**: ±0.5% FS
- **Hysteresis and Repeatability**: ±0.05% FS max.
- **Response Time**: <60 msec.
- **Zero Temp Effects**: ±1.5% FS
- **Span Temp Effects**: ±1.5% FS

**Output Signal**: 4 to 20 mA, 2-wire.

**Power Requirements**: 4.75 to 12-30 VDC.

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### Differential Pressure Transmitter

Ranges from 0 to ±0.5 in. w.c., Voltage Output

Supply Voltage: 12-30 VDC.

Output: 4 to 20 mA, 2-wire.

Zero and Span Adjust: ±1 mA, non-interactive.

Response Time: <60 msec.

Loop Resistance: 0-500 ohms.

Electrical Connection: Terminal strip.

Pressure Connection: 3/16” O.D. tubing.

Housing: Fire retardant glass filled polyurethane.

Agency Approvals: CE.