SERIES HADP

HIGH ACCURACY DIFFERENTIAL PRESSURE TRANSMITTER

±0.14% FS Accuracy, NIST Certificate Included

SERIES HADP Differential Pressure Transmitter combines low ranges with exceptional stability, reliability and an outstanding accuracy of ±0.14% FS. All models come with NIST certificates and are available in unidirectional and bi-directional ranges as low as 0 to 0.5 in w.c. and 0 to 5 psid. The Series HADP transmitters are extremely stable allowing for setup. The RSM has a NEMA 1 (IP20) rated fire retardant plastic for indoor applications.

FEATURES/BENEFITS

• Clean rooms  • Research labs • Animal facilities

APPLICATIONS

control system for automated control and centralized monitoring and alarming

• Optional BACnet communication from devices provides integration into building to be taken quicker to eliminate the problem from becoming widespread

• Audible and visual alarm provides immediate local alerts allowing corrective action that can cause time consuming false alarm conditions

• Accurately monitor protective environments for negative or positive pressure

SPECIFICATIONS

Service: Compatible non-conducting air/gas
Wetted Parts: Consult factory.
Accuracy: ±0.14% FS.
Stability: <±0.1% FS over 6 months @ 70°F (21°C)
Pressure Limits: See model chart.
Temperature Limits: Operating: 0 to 175°F (-18 to 71°C); Storage: -55 to 250°F (-53 to 121°C).
Compensated Temperature Range: 30 to 150°F (-1 to 65°C).
Thermal Effect: <±1.0% FS/100°F.
Power Requirements: 17 to 42 VDC for current models, 22 to 30 VDC for voltage models.
Output Signal: 4 to 20 mA for current models, 0 to 5 VDC voltage models.
Zero and Span Output: Zero output: Factory set to within ±0.07 mA; Span output: Factory set to within ±0.07 mA.

OPTIONS

To order add suffix: Description
-A1 Expanded temp range -65 to 250°F (-53 to 121°C)
-A2 Improved accuracy ±0.073% FS

Process Tubing Options: See page 443 (Gage Tubing Accessories)

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range</th>
<th>Max Pressure High Port</th>
<th>Max Pressure Low Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>HADP-BC-6</td>
<td>0 to ±0.125 in w.c.</td>
<td>5 psi</td>
<td>2.5 in w.c.</td>
</tr>
<tr>
<td>HADP-BC-8</td>
<td>0 to ±0.5 in w.c.</td>
<td>5 psi</td>
<td>2.5 in w.c.</td>
</tr>
<tr>
<td>HADP-BC-10</td>
<td>0 to ±1 in w.c.</td>
<td>10 psi</td>
<td>5 in w.c.</td>
</tr>
<tr>
<td>HADP-BC-12</td>
<td>0 to ±2 in w.c.</td>
<td>20 psi</td>
<td>10 in w.c.</td>
</tr>
<tr>
<td>HADP-BC-14</td>
<td>0 to ±5 psid</td>
<td>75 psi</td>
<td>37.5 in w.c.</td>
</tr>
<tr>
<td>HADP-BC-16</td>
<td>0 to ±10 psid</td>
<td>150 psi</td>
<td>75 in w.c.</td>
</tr>
</tbody>
</table>

Note: For voltage output models change HADP-XC-XX to HADP-XC-XX.

SERIES RSM

ROOM STATUS MONITOR

For Sensing Low Pressure Using High Accuracy

SERIES RSM Room Status Monitor is designed for critical low differential pressure applications that require stringent pressure monitoring and alarming. The Series RSM can be configured to monitor positive or negative pressure in protected environments and hospital isolation rooms per CDC guidelines. The RSM is a complete system with a graphic user interface which enables access to pressure, security, calibration, and alarm setup. The RSM has a NEMA 1 (IP20) rated fire retardant plastic for indoor applications.

FEATURES/BENEFITS

• Accurately monitor protective environments for negative or positive pressure ensuring safety and reducing risk of catastrophic events

• Audible and visual alarm provides immediate local alerts allowing corrective action to be taken quicker to eliminate the problem from becoming widespread

• Password protected system setup menu helps to ensure no errors by untrained personnel

• Optional BACnet communication from devices provides integration into building control system for automated control and centralized monitoring and alarming

APPLICATIONS

• Hospital isolation wards • Pharmaceutical • Manufacturing

• Clean rooms • Research labs • Animal facilities

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range</th>
<th>Excitation/Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSM-1</td>
<td>±0.05 in w.c.</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>RSM-2</td>
<td>±0.1 in w.c.</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>RSM-3</td>
<td>±0.25 in w.c.</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>RSM-4</td>
<td>±0.5 in w.c.</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>RSM-5</td>
<td>±0.1 in w.c.</td>
<td>4-20 mA</td>
</tr>
<tr>
<td>RSM-6</td>
<td>±0.25 in w.c.</td>
<td>4-20 mA</td>
</tr>
</tbody>
</table>

*Excitation/Output: 24 VAC/4 to 20 mA or 0 to 5 or 0 to 10 VDC

Note: For optional BACnet communication change end from -A to -C for 24 VAC power or from -B to -D for 120 VAC power models.