Differential Pressure

Gages/Switches, Dial

**Range Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, in w.c.</th>
<th>Example</th>
<th>AT3A3001</th>
<th>120 VAC X</th>
<th>XX</th>
<th>A</th>
<th>B</th>
<th>Y</th>
<th>T2</th>
<th>AT3A3001-120VAC-XXX-AB1XT2</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3000-0</td>
<td>0 to 0.25</td>
<td>Housing</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Power</td>
<td>120 VAC</td>
<td>240 VAC</td>
<td>Power requirement 24 VAC</td>
<td>Power requirement 240 VAC</td>
<td>Power requirement 24 VAC</td>
</tr>
<tr>
<td>A3000</td>
<td>0 to 5</td>
<td>Range</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Pressure</td>
<td>X</td>
<td>MP</td>
<td>Medium pressure max. static 35 psig</td>
<td>Power minimum 25 psig</td>
<td>Power minimum 24 psig</td>
</tr>
<tr>
<td>A3001</td>
<td>0 to 10</td>
<td>Power</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Temperature</td>
<td>X</td>
<td>LT</td>
<td>Low temperature from -20°F to 25 psig</td>
<td>Temperature from -20°F to 25 psig</td>
<td>Temperature from -20°F to 25 psig</td>
</tr>
<tr>
<td>A3002</td>
<td>0 to 20</td>
<td>Construction</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Housing</td>
<td>X</td>
<td>Aluminum</td>
<td>Aluminum</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
<tr>
<td>A3003</td>
<td>0 to 30</td>
<td>Material</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Cover</td>
<td>X</td>
<td>Blind</td>
<td>Blind</td>
<td>Blind</td>
<td>Blind</td>
</tr>
<tr>
<td>A3004</td>
<td>0 to 40</td>
<td>Process</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Connection</td>
<td>X</td>
<td>OPV</td>
<td>Standard without overpressure relief valve</td>
<td>Overpressure relief valve</td>
<td>Overpressure relief valve</td>
</tr>
<tr>
<td>A3005</td>
<td>0 to 50</td>
<td>Overpressure</td>
<td>AT3</td>
<td>A3XXX</td>
<td>Plug</td>
<td>X</td>
<td>OPV</td>
<td>Standard without overpressure relief valve</td>
<td>Overpressure relief valve</td>
<td>Overpressure relief valve</td>
</tr>
<tr>
<td>A3006</td>
<td>0 to 60</td>
<td>Tag</td>
<td>AT3</td>
<td>A3XXX</td>
<td>SS information label</td>
<td>T2</td>
<td>SS information label</td>
<td>SS information label</td>
<td>SS information label</td>
<td>SS information label</td>
</tr>
</tbody>
</table>

**Important Notes for Installation:**
- Cables must be fitted through 1/2˝ NPT cable gland or ATEX conduit (not supplied with instrument).
- Make sure after cabling to close tight cover and cable gland, in order to keep IP66 rating (IP65 with option OPV, overpressure relief valve).
- Open cover only after de-energizing instrument.
- Attention: Check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

**Specifications:**
- Service: Air and non-combustible, compatible gases.
- Wetted Materials: Consult factory.
- Housing Material: Aluminum.
- Finishing: Texture epoxy coat RAL7038.
- Accuracy: ±2% of FS at 70°F (21.1°C); ±3% on -0 and ±4% on -00 models.
- Pressure Limits: -20 in Hg to 25 psig (-0.677 to 1.72 bar). MP option; 35 psig (2.41 bar), HP option; 80 psig (5.52 bar).
- Temperature Limits: 20 to 120°F (-6.67 to 48.9°C) LT low temperature option to -20°F available; Case: -58 to 140°F (-50 to 60°C) (Note: Product temperature limits differ from case).
- Dial Size: 4" (101.6 mm).
- Mounting Orientation: Diaphragm in vertical position.
- Set Point Adjustment: Adjustable knobs on Photohelic® gage face behind enclosure cover. Follow instructions and safety warnings to open covers.

**Switch Specifications:**
- Switch Type: Each setpoint has 2 Form C relays (DPDT).
- Repeatability: ±1% of FS.
- Electrical Rating: 10 A @ 28 VDC, 10 A @ 120, 240 VAC.
- Electrical Wiring: Screw terminals.
- Power Requirements: 120 VAC, 50/60 Hz; 240 VAC & 24 VAC power optional.
- Enclosure Rating: IP66. IP65 with option OPV, overpressure relief valve.
- Process Connections: 1/8˝ NPT female brass (SS optional). In presence of acetylene it is necessary to use SS.
- Electrical Connections: Three 1/2˝ NPT female. Cable gland not included.
- Weight: 28.4 lb (12.9 kg).

**ATEX Approved Products from Comhas with ECN:** NEMKO 10ATEX1096. Agency Approvals: CE 0470, EN 14455 to I2 GD Ex d IIC Gb T6; -50°C ≤ Ta ≤ +60°C Ex tb IIC Db T 85°C.