Items are subject to Schedule B discounts.

• Cables must be fitted through 1/2˝ NPT cable gland or ATEX conduit (not supplied) which allow s viewing of set point needles and process pressure.

• Make sure after cabling to close tight cover and cable gland, in order to keep IP66 de-energizing instrument). All models provide both low and high limit control. Compatible amperage ratings—ideal for dry circuits. For applications requiring high cycle rates, choose pressures to 25 psig (1.725 bar). Optional construction is available for use to either 35 psig (2.42 bar) or 80 psig (5.51 bar). Flame-proof ATEX enclosures are available with glass.

Repeatable differential pressure switch with a large easy-to-read analog pressure gage. Using solid state technology, the Series AT23000MR and AT23000MRS ATEX Approved Photohelic® Switch/Gages combine the functions of a precise, highly repeatable differential pressure switch with a large easy-to-read analog pressure gage. Gage reading is unaffected by switch operation and will indicate accurately even if power is interrupted. AT23000MR series employ versatile electromechanical relays with low amperage ratings—ideal for dry circuits. For applications requiring high cycle rates, choose AT23000MRS models with SPST (NO) solid state relays. Easy to adjust set point range.

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 de-energizing instrument.
- 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.

Example

<table>
<thead>
<tr>
<th>Model</th>
<th>Range, Pa</th>
<th>Minor Divs.</th>
<th>Model</th>
<th>Range, Pa</th>
<th>Minor Divs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000-0</td>
<td>0 to 0.25</td>
<td>0.05</td>
<td>3000-60 Pa</td>
<td>0 to 60</td>
<td>2.0</td>
</tr>
<tr>
<td>3000-0</td>
<td>0 to 0.5</td>
<td>0.01</td>
<td>3000-125 Pa</td>
<td>0 to 125</td>
<td>5.0</td>
</tr>
<tr>
<td>3001</td>
<td>0 to 1.0</td>
<td>0.02</td>
<td>3000-250 Pa</td>
<td>0 to 250</td>
<td>5.0</td>
</tr>
<tr>
<td>3002</td>
<td>0 to 2.0</td>
<td>0.05</td>
<td>3000-500 Pa</td>
<td>0 to 500</td>
<td>10.0</td>
</tr>
</tbody>
</table>

The Process Connections: 1/8˝ NPT female brass (SS optional). In presence of acetylene it is necessary to use SS.

Electrical Connections: Two 1/2˝ NPT female. Cable gland not included.

Dial Size: 4˝ (101.6 mm).

Set Point Adjustment: Adjustable knobs on face behind enclosure cover. Follow instructions and safety warnings to open cover.

Weight: 12.5 lb (5.7 kg).

ATEX Approved Products from Comhas with ECN: BVI 14ATEX0072. Agency Approvals: CE 1370 Ex II2 GD Ex d IIC Db T6; -60°C ≤ Ta ≤ +60°C Ex tb IIIC Db T 85°C.

**SWITCH SPECIFICATIONS (3000MR)**

| Switch Type: Each setpoint has 1 Form C relay (SPDT).
| Relay Contacts: (resistive load) 1 Form C rated 1.0 A @ 30 VDC, 0.3 A @ 110 VDC or 0.5 A @ 125 VAC. Gold clad silver - suitable for dry circuits.

**SWITCH SPECIFICATIONS (3000MRS)**

| Switch Type: Each setpoint has a solid state relay.
| Switching Voltage: 20 to 280 VAC (47 to 63 Hz).
| Switching Current: 1.0 amp (AC) max., 0.01 mA (AC) min., (2) SPST NO.

**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, -60 Pa and ±4% on -00 models.

Pressure Limits: -20 in Hg to 25 psig (-0.677 bar 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). Option LT low temperature to -20°F (28.8°C); Case: -76 to 140°F (-60 to 60°C). (Note: Product temperature limits differ from case).

Power Requirements: 24 VDC, regulated ±10%.

Electrical Wiring: Screw terminals.

Mounting Orientation: Diaphragm in vertical position.

Enclosure Rating: IP66. IP65 with option OPV, overpressure relief valve.

Cost:

- Items are subject to Schedule B discounts.