The Electro-Pneumatic Positioner NT-1000 is used for operation of pneumatic rotary valve actuator by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges.
- There is no resonance at 5 ~ 200Hz.
- The change of RA/DA acting is convenient. It is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation with replacement of parts.

### Ordering Code: Rotary Type, NT-1000R

<table>
<thead>
<tr>
<th>Model</th>
<th>Acting Type</th>
<th>Ex-Proof Enclosure</th>
<th>Lever Type</th>
<th>Orifice Type</th>
<th>Indicator Type</th>
<th>Electric Connection</th>
<th>Ambient Temp.</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT-1000R</td>
<td>Single Acting</td>
<td>ExdIIBT6</td>
<td>M6x40L</td>
<td>Φ1 Flat Type</td>
<td>PT</td>
<td>-20~60°C</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double Acting</td>
<td>ExdIICT6</td>
<td>M6x63L</td>
<td>Φ2 Dome Type</td>
<td>NPT</td>
<td>-20~120°C</td>
<td>+PTM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NONE(IP66)</td>
<td>ExialICT6</td>
<td>M8x40L</td>
<td>NONE</td>
<td>The Other</td>
<td>-40~70°C</td>
<td>4-20mA/DC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weather-Proof</td>
<td>Namur</td>
<td>M8x63L</td>
<td></td>
<td></td>
<td></td>
<td>+LS(2xSPDT)</td>
<td></td>
</tr>
</tbody>
</table>

### Ordering Code: Linear Type, NT-1000L

<table>
<thead>
<tr>
<th>Model</th>
<th>Acting Type</th>
<th>Ex-Proof Enclosure</th>
<th>Lever Type</th>
<th>Orifice Type</th>
<th>Electric Connection</th>
<th>Ambient Temp.</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT-1000L</td>
<td>Single Acting</td>
<td>ExdIIBT6</td>
<td>10 ~ 40mm</td>
<td>Φ1 PT</td>
<td>-20~60°C</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double Acting</td>
<td>ExdIICT6</td>
<td>40 ~ 70mm</td>
<td>Φ2 NPT</td>
<td>-20~120°C</td>
<td>+PTM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NONE(IP66)</td>
<td>ExialICT6</td>
<td>70 ~ 100mm</td>
<td>NONE</td>
<td>-40~70°C</td>
<td>4-20mA/DC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weather-Proof</td>
<td>Namur</td>
<td>100 ~ 130mm</td>
<td></td>
<td></td>
<td>+LS(2xSPDT)</td>
<td></td>
</tr>
</tbody>
</table>

### Specification:

- Input Signal: 4-20mA/DC
- Impedance: 250±15 Ohm
- Supply Pressure: 1.4~7kg.f/cm² (20~100psi)
- Stroke: 0 ~ 90°
- Air Conn.: 1/4"PT(NPT)
- Gauge Conn.: 1/8"PT(NPT)
- Electric Conn.: 1/2"PT(NPT,PF)
- Explosion Proof: ExdIIBT6
- Proof: ExdIICT6
- Protection: IP66
- Amb. Temp.: -20 ~ 60°C(-4 ~ 158°F)
- Linearity: ±1% F.S. ±2% F.S.
- Hysteresis: ±1% F.S.
- Sensitivity: ±0.2% F.S. ±0.5% F.S.
- Repeatability: ±0.5% F.S.
- Air Consumption: 3 LPM(Sup=1.4kg.f/cm²,20psi)
- Flow Capacity: 80 LPM(Sup=1.4kg.f/cm²,20psi)
- Material: Aluminum, Die-Casting
- Weight: 2.8kg(6.2lb)

Note: Please specify the thread type of air & electric connection upon order.

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