Smart Valve Positioner 300 Series

Improve your control valves.

1. Improves process control
2. Improves productivity
3. Reduces spares
Benefits

- **Improves process control**
  High accuracy and high resistance to vibration improve control valve performance, allowing tighter process control and reduction in product variability.

- **Improves productivity**
  Easy-to-use fully automatic set-up and calibration, with diagnostics, makes these tasks easier and able to be completed in less time.

- **Reduces spares**
  Single universal model applies to most valve applications.

Features

- Compact, rugged, and lightweight
- Optional valve travel position transmitter : 4-20mA (Model AVP301/307)
- Configurable low flow cut-off
- Integral Auto-Manual bypass switch
- Split range setting
- Configurable valve output characterization for unique application.
- Communication : HART® (Model AVP302/307)

Easy to adjust

- No hand held communicator required, just switch with a screwdriver.
- Automatic valve calibration sequence for optimum valve performance.
- Externally accessible switch for auto set-up, automatic configuration and automatic calibration.
- Auto Set-up dynamically scans valve assembly and makes optimum adjustments.
- Non-interactive zero and span adjustments.

Main Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Model AVP300/301/302</th>
<th>Model AVP307</th>
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</thead>
<tbody>
<tr>
<td>Basic Model</td>
<td></td>
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<tr>
<td>Input</td>
<td>4 to 20 mA (split range is possible)</td>
<td></td>
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<tr>
<td>Enclosure</td>
<td>NEMA 4 equivalent, IEC IP66 equivalent</td>
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<tr>
<td>Approval Bodies</td>
<td>FM /ATEX / TEx / NEPS1/CNS Flameproof / Intrinsically Safe (For specific models, refer to Sales)</td>
<td>ATEX/Flameproof/Intrinsically Safe (For specific models, refer to Sales)</td>
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<tr>
<td>Air supply pressure</td>
<td>140 to 700 kPa (20 to 100 ps)</td>
<td></td>
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<tr>
<td>Vibration characteristics</td>
<td>2G at 5 to 400 Hz</td>
<td></td>
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<tr>
<td>Ambient Temperature</td>
<td>-40°C to 80°C [-40°F to 175°F]</td>
<td></td>
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<tr>
<td>Weight</td>
<td>2.5 kg (5.5 lbs.)</td>
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https://www.azbil.com/products/factory/order.html

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