

Position

FY300 Series Smart Control Valve Positioner

The FY300 Series converts the input signals to pressure values, for the valve actuator to move its stem to the more appropriate and accurate openings, in order to carry out adequately the process control strategies. The FY300 Series is available in 4-20 mA or HART®, FOUNDATION™ Fieldbus, and PROFIBUS-PA technologies. The valve position is measured by a magnetic sensor, without physical contact. The FY300 series presents a local magnetic sensor assembly, or remote mounting up to 20 m cable length for applications involving severe vibration, high temperatures or difficult access. Appropriate for linear or rotary valve displacement, and for single action or double action valves. Automatic setup takes less than 3 minutes. Local adjustment without need to open the circuit housing. Universal mounting brackets for rotary or linear valves. Customized mounting brackets are available for different brands and models of control valves. Consult www.smar.com for available brackets models and sizes. Connectivity with asset management and FDT/DTM (Field Device Tool/Device Type Manager) applications. The FY300 HART® can also be configured using third-party configuration tools, and also partially configured through local adjustment using the Smar magnetic tool.

Provide important data for valve and actuator diagnostics, aimed at preventive and predictive actions.

Smar offers PST (Partial Stroke Test) for free for the FY303.

- Travel:
 - Linear Motion: 3 - 100 mm;
 - Rotary Motion: 30° - 120°;
- Air pressure supply: 1.4 - 7 bar (20 - 100 psi);
- Flow Characterization: Linear, Equal Percentage, Quick Opening or configurable;
- Aluminum or 316 SST;
- Indicator with 4½ - numerical digit and 5-character alphanumeric;
- Certifications for Hazardous Areas: explosion-proof and intrinsically safe;
- Special Option: With Position Transmitter built-in on the terminal block of FY301 positioner, through a 4-20 mA output signal.

