



ABB INTELLIGENT POSITIONERS



PositionMaster EDP300 - Digital Positioner

Features

- Stainless steel housing
- Non-contact position sensor
- Analog HART communication
- Operation with natural gas
- Worldwide intrinsic safety approvals
- Remote sensor version
 - Advanced vibration resistance 2g, 300Hz
 - Protection Class IP 67
- Low air consumption, independent of supply pressure at 0.015scfm
- Universal analog input
- Graphical display
- High air capacity
- Extended diagnostics
- Easy plug-in modules

The PositionMaster is an electronically configurable positioner with communication capabilities designed for mounting to linear or rotary actuators with advanced performance 4 to 20mA with HART.



The PositionMaster features a small and compact design, a modular construction, and an excellent cost-performance ratio. Fully automatic determination of the control parameters and adaptation to the positioner allow for considerable time savings as well as optimum control behaviour. Because of its properties, the positioner is suited for even the most challenging operating conditions and designed for mounting on pneumatic linear or part-turn actuators.

The extended diagnostics feature of the PositionMaster provides the user the opportunity to perform selectable valve performance diagnostics and to schedule control valve preventive maintenance as determined by the results to ensure increased system availability and to minimise unforeseen cost intensive failures.



TZIDC - Digital Positioner

Features

- Digital HART communication
- Easiest commissioning and operation on site due to local operation and auto adjustment
- Worldwide intrinsic safety approvals
- Standard performance 4 to 20mA with HART
- Robust design and flexible in use with linear and rotary actuators
- Remote sensor version
 - Advanced vibration resistance 2g, 300Hz
 - Protection class IP 67
- Low air consumption, independent of supply pressure at 0.015scfm

The TZIDC represents the digital, intelligent positioner for communication via HART within the positioner family. Unmatched shock and vibration immunity of 10g up to 80Hz distinguishes the TZIDC from other's and guarantee reliable operation in almost all areas under harshest environmental conditions.



Modular configuration according to process requirements. The modular configuration concept makes the TZIDC highly attractive for various industries and diverse applications. Whether it is needed for standard demands or special complex applications, the TZIDC can be configured individually according to the application.

- Simple commissioning and intuitive handling
- Automatic adjustment of control parameters during operation
- High shock and vibration immunity
- Selectable safety position of the valve
- Low air consumption
- Monitoring of process parameters
- Different communication protocols available
- Application safety protection (*intrinsic safety or explosion proof*)
- Suitable for nearly all process control actuators and valves
- Applicable in a wide temperature range



Smart Remote Positioners

Features

- Higher vibration immunity
- Excellent accessibility
- Increased protection class
- 10m cable length allow for high flexibility
- Stainless steel housing
- Position sensor and pneumatics/electronics installed in separate housings

The EDP300 and TZIDC series of digital positioners provide flexible and cost effective valve management and control. They are now available as a remote version, delivering reliable and accurate results even under adverse conditions.

