

# The Smartest Positioner: Rotex RTX 3 and RTX 4 PosiAdapt Series.



In the dynamic world of industrial automation, precision and reliability are paramount. The Rotex PosiAdapt Valve Positioner stands at the forefront of innovation, offering unparalleled control and efficiency for various industrial processes.

## **Unmatched Precision and Control**

The PosiAdapt Valve Positioner is engineered to deliver exceptional accuracy in valve positioning, ensuring optimal performance across diverse applications. Its adaptive PID loop enhances control accuracy, minimizes dead band, and provides remarkably steady performance, even in challenging conditions.

## **Advanced Self-Diagnostic Capabilities**

Safety and reliability are critical in industrial operations. The PosiAdapt Positioner incorporates advanced self-diagnostic features, performing a comprehensive health check before initiating partial stroke tests. This proactive approach ensures additional safety and maintains process availability, allowing for early detection of potential issues and reducing unplanned downtime.

## **Seamless Integration and User-Friendly Interface**

Designed with user convenience in mind, the PosiAdapt Positioner offers seamless integration into existing systems. Its intuitive interface simplifies calibration and configuration, enabling quick setup and reducing the learning curve for operators. The positioner's compact design allows for easy installation, making it a versatile choice for various industrial environments.

## **Robust Construction for Demanding Environments**

Built to withstand the rigors of industrial settings, the PosiAdapt Positioner features a durable construction that ensures long-term reliability. Its robust design is capable of operating in harsh conditions, providing consistent performance and reducing maintenance requirements. This durability translates to cost savings and enhanced operational efficiency for businesses.

## **Versatility Across Industries**

The PosiAdapt Valve Positioner is suitable for a wide range of industries, including oil and gas, chemical processing, power generation, and more. Its adaptability to various valve types and sizes makes it an ideal solution for businesses seeking to optimize their control systems and improve process efficiency.

## **Conclusion**

Investing in the Rotex PosiAdapt Valve Positioner means equipping your operations with a state-of-the-art device that offers precision, reliability, and advanced diagnostic capabilities. Its user-friendly design and robust construction make it a valuable addition to any industrial process, ensuring optimal performance and safety. For more information on the Rotex PosiAdapt Valve Positioner and how it can benefit your operations, view the official Rotex Automation product catalogue.

Experience the future of valve control with the Rotex PosiAdapt Valve Positioner—where innovation meets reliability.

TECHNICAL SPECIFICATIONS	
<b>Overview</b>	
General	Microprocessor based electronic positioner Loop powered, no external power supply required. External 24V DC option available.
Blind mount	
Suitable for rotary and linear valves.	
Actuator connections in accordance with VDI/VDE 3845 and IEC 60534-6 standards.	
Extensive selection of mounting kits for various kind of actuators	
Action	Double or single acting
Failsafe	Failsafe or Stay-put / Fail freeze (only available with RTX 7, RTX 8, RTX 9)
<b>Actuator travel range</b>	
Linear	<b>0 position can start anywhere</b> , 3 to 200 mm, other strokes on request
Rotary	<b>0° can start anywhere</b> , max. 359°
Measurement range	0-359° with freely rotating contactless feedback shaft.
Actuator travel time	0 to <b>300</b> seconds (configurable in incremental steps of 60 Seconds)
Actuator travel limit	Freely configurable in 0% to 100%
Deadband time limit	0 to 300 seconds (freely configurable, monitoring parameter until deviations reaches within deadband)
<b>Environmental condition</b>	
Standard temperature range	-20 °C to +85 °C / -4 °F to +185 °F
Low temperature range	-40 °C to +85 °C / -40 °F to +185 °F , -55 °C or +135 °C available on request
Influence of temperature on valve position	0.35% / 10 °K
Influence of vibration on valve position:	< 1 % under 10g 5–85 Hz, 2.5 85-150 Hz 1.5g 150–280 Hz, 0.5g 280–1500 Hz
<b>Construction / Enclosure</b>	
Material*	2 = Epoxy coated anodised aluminium housing and cover with Makrolon® (Polycarbonate) see through window
3 = Explosion proof aluminium housing and cover with Toughened Glass see through window	
4 = Explosion proof stainless steel housing and cover with Toughened Glass see through window	
6 = Intrinsically safe, epoxy coated anodised aluminium housing and cover with Makrolon® (Polycarbonate) see through window	
7 = Intrinsically safe, stainless steel housing and cover with Toughened Glass see through window	
8 = Stainless Steel housing and cover with Toughened Glass see through window	
Protection Class	IP66
Pneumatic pressure and exhaust ports	G1/4" or 1/4" NPT
Cable Gland	1/2" NPT or M20 x 1.5

Find out more from UK authorised Rotex distributor at [www.solenoid-valve.world](http://www.solenoid-valve.world)