

Product Selection Guide

Valve Accessories Professional Manufacturer





















Product Contents

Smart Positioner

SWSP-25 Series Smart Positioner

SWSP-25 Series Smart Remote Mounting Positioner



SWSP - 25 Series Smart Mounting Positioner









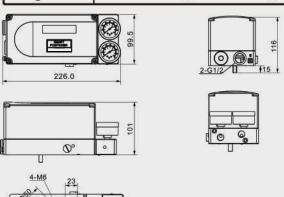


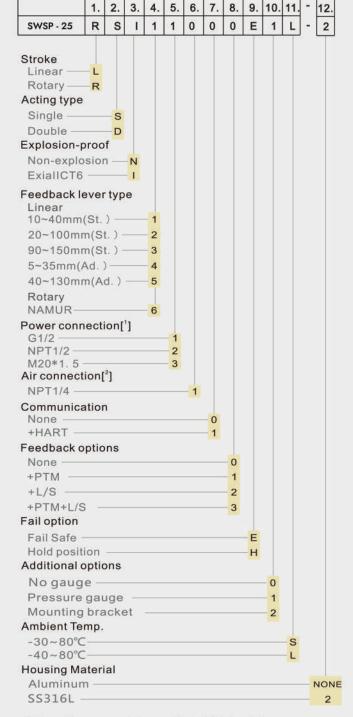
SWSP-25 Series is a control device that receives the 4~20mA output signal from the controller or control system, then transforms into the air pressure signal driving the pneumatic actuator to control the valve. Mainly used for valve position control of pneumatic linear or rotary valves.

- Use piezoelectric valve electric pneumatic conversion structure.
- Suitable for hazardous area by intrinsically safe electronics.
- Easy to install and auto-calibration.
- LCD display and on board button operation.
- Fail safe function under loss of power, loss of air supply and loss of control signal.



Model No.		SWSP - 25
Input signal		4~20mA DC
Supply pressure		0.14~0.7MPa(20~105psi)
Stroke	Linear	10~150mm(standard);5~130mm(adaptor)
	Rotary	0~90°
Impedance		450Ω (without HART) , 500Ω (with HART
Air connection		NPT1/4
Gauge connection		NPT1/8
Power connection		G1/2, NPT1/2, M20*1.5
Repeatability		±0.5%F.S.
Ambient temp.		Normal:-20~80°C; low: -40~80°C
Explosive temp.		-40~60℃
Linearity		±0.5%F.S.
Hysteresis		±0.5%F.S.
Sensitivity		±0.5%F.S.
Flow rate		Fully open: 130L/min(@6.0bar)
Air consumption		Stable condition: <0.0006Nm³/h
Output characteristics		Linear (default); Quick open; Equal percentage; User defined
Shell material		Aluminum or SS316L
Ingress protection		IP66
Explosion-proof		Ex ia IIC T6 Ga; Ex ia IIIC T135°C Db
Weight		Aluminum:2.3kg; SS316L: 4.6kg





PTM: positioner transmitting module; L/S: limit switch.



SWSP - 25 Remote Type Smart Positioner





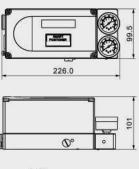


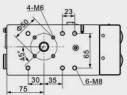


SWSP-25 series Smart Valve Positioner is a control device that receives 4 ~ 20 mA command signal output from controller or control system and output air pressure signal to drive pneumatic actuator to control valve opening. This model is a split remote transmission structure, sensor and body separation, suitable for high temperature and space limited installation environment,

- Use piezoelectric valve electric / pneumatic conversion structure.
- Suitable for hazardous area by intrinsically safe electronics.
- Easy to install and auto-calibration.
- LCD display and on board button operation.
- Fail safe function under loss of power, loss of air supply and loss of control signal.

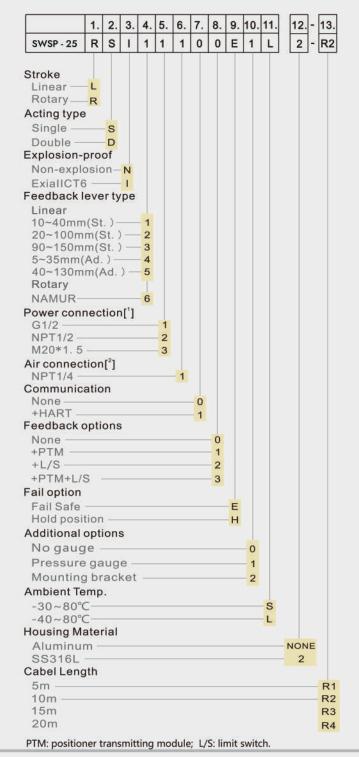
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Power connection		G1/2, NPT1/2, M20*1.5
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Air consumption		Stable condition: <0.0006Nm³/h
Output characteristics		Linear (default); Quick open; Equal percentage; User defined
Shell material		Aluminum or SS316L
Ingress protection		IP66
Explosion-proof		Ex ia IIC T6 Ga; Ex ia IIIC T135℃ Db
Weight		Aluminum:2.3kg; SS316L:4.6kg













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