

Smart Valve Positioner

(Linear Sensor Positioner for Cylinder)

SS2 Linear / Rotary



< Cylinder type >



< Angle Seat Valve type >



Specifications

Communication	Without	HART	Profibus-PA	Fieldbus
Input Signal	4 - 20 mA @ 24 VDC		9 - 32 VDC	
Min. / Max. Current	3.6 mA / 50 mA		-	
Current Consumption	-		15mA	16mA
Voltage Drop (Resistance)	8.9 VDC(445Ω)	9.4 VDC(470Ω)		
Stroke	Up to 1000 mm			
Air Supply Pressure	1.4 - 7.0 bar (20 - 100 psi)			
Output Pressure Range	0 - 100% of supply air pressure			
Air Capacity	80 ℓ/min = 4.8 N ^m /h = 2.8 scfm (Sup = 1.4 bar) 233 ℓ/min = 14 N ^m /h = 8.2 scfm (Sup = 6 bar)			
Air Consumption	2 ℓ/min = 0.12 N ^m /h = 0.07 scfm (Sup = 1.4 ~ 6 bar)			
Characteristic	Linearity < ±0.3% F.S Hysteresis < 0.2% F.S		Sensitivity < 0.2% F.S Repeatability < 0.2% F.S	
Performance Characteristic	Linear, EQ %, Quick open, User set (17 points)			
LCD Indication	4-digit LCD indicator			
Adjustable Speed	1 - 1000 (lowest 1, highest 1000)			
Scan Time	2ms			
Shut-off Value	Range 0 - 10% of position signal			
Valve Action	Direct action(DA) / Reverse action(RA)			
Operating Temperature	- 30 ~ +80°C (- 22 ~ +176 °F) *			
Pneumatic Connections	PT(Rc) 1/4, NPT 1/4			
Electrical Connections	2 x PF(G) 1/2, NPT 1/2, M20 x 1.5			
Protection Class	IP66, Intrinsically safe (IECEX / ATEX / KC Ex ia IIC T6/T5)			
Body Material	Aluminum die-cast / power-painted			
Weight	1.6 kg (without bracket & sensor)			

* - 40°C on request

How to Order

SS2C — Protection Class — Cylinder Stroke — Pressure Gauges — By-pass — Position Feedback — Communication — Connection Threads — Mounting Bracket — Cable Length

Description	Code
Protection Class :	I : Intrinsically safe IECEX / ATEX / TR-CU Ex ia IIC T6/T5 K : Intrinsically safe KC - Ex ia IIC T6/T5 W : Weatherproof to IP66
Cylinder Stroke :	A : Cylinder stroke 10 ~ 30mm B : Cylinder stroke 30 ~ 80mm C : Cylinder stroke 80 ~ 125mm D : Cylinder stroke 125 ~ 165mm E : Cylinder stroke 165 ~ 260mm F : Cylinder stroke 260 ~ 350mm x : Other on request
Gauge Block :	0 : Not mounted 1 : 6 bar (90 psi) 2 : 10 bar (150 psi)
By-pass :	N : None Y : Yes (auto/manual screw)

Description	Code
Position Feedback :	N : None O : Position transmitter (4~20mA output signal) L : 2 x alarm limit M : O + L
Communication :	N : None H : HART P : Profibus PA F : Foundation Fieldbus
Connection Threads : (pneumatic - electrical)	3 : PT(Rc) 1/4 - PF 1/2 4 : NPT 1/4 - NPT 1/2 5 : PT(Rc) 1/4 - M20 x 1.5
Mounting Bracket :	N : None Actuator Model NO.
Cable Length :	Standard, 3, 5, 10, 15m Other : On request