

SEG

SP760 SMART POSITIONER



**Precision and reliable valve control with
Shinhwa Engineering.**



SP740



SP760



SP520

SEG SHINHWA ENG. CO., LTD.

FEATURES

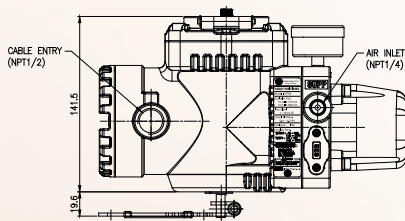


- High reliability
- Explosion proof Housing (Zone 1,2 and Division 1,2 installation)
- Single or Double acting actuator
- Quick and easy operation
 - Auto calibration
 - Simple Initialization
 - Self diagnostic function
- LCD and 4 button local control
- Enclosure IP66
- Global approvals for explosion protection
Ex db IIC T6/T5 Gb, Ex tb IIIC T80°C/ T90°C Db (IECEX, ATEX, KCs, CCC)
- Vibration and impact resistance
- HART communication

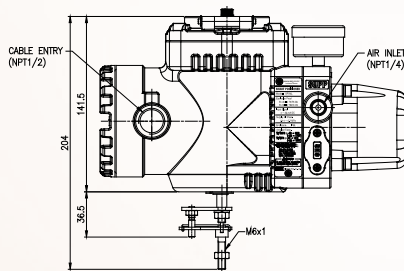
Model	SP760S (Single)		SP760D (Double)	
Motion Type	Linear	Rotary	Linear	Rotary
Input Signal	4~20mA DC			
Impedance	Max.450Ω @ 20mA DC			
Air Connection	PT 1/4, NPT 1/4			
Pres. Gauge Connection	PT 1/8, NPT 1/8			
Conduit Entry	PF(G) 1/2(Standard), NPT1/2(OPTION)			
Supply Pressure	0.14~0.7 MPa (1.4~7 bar)			
Explosion Proof Grade	Ex d IIC T6/T5, Ex tb IIIC T80°C/T90°C (KCs) Ex db IIC T6/T5 Gb, Ex tb IIIC T80°C/T90°C Db (IECEX) II 2G Ex db IIC T6/T5 Gb, II 2D Ex tb IIIC T80°C/T90°C Db (ATEX) Ex d IIC T5/T6 Gb, Ex tD A21 IP66 T80°C/T90°C (CCC)			
Enclosure	IP66			
Ambient Temperature	-30~80°C			
Linearity	±0.5% F.S.			
Hysteresis	±0.5% F.S.			
Sensitivity	±0.2% F.S.			
Repeatability	±0.3% F.S.			
Cam Characteristic	Linear(L), Square(S), Square root(R), User Set (16 Point)			
Humidity	5~95% RH at 40°C			
Communication(OPTION)	HART Communication			
Feedback Signal (OPTION)	4~20mA (DC 10~30V)			
Material	Aluminum Diecasting			
Weight	3.2 kg (7.1 lb)			

MODEL SELECTION

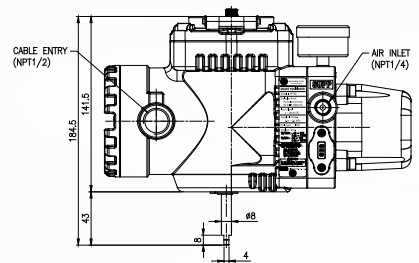
Model	SP760	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Acting Type	Single Double	S D							
Motion Type	Linear 20 ~ 80 mm 80 ~ 160 mm		L1 L2						
	Rotary Standard Fork Lever Namur		R0 R1 R2						
Feedback	None Position transmitter(4 ~ 20 mA DC)			0 1					
Output safe Position	Fail safe Fail Lock				1 *				
Explosion Protection	None Explosion proof(IP66)					0			
	Explosion proof (KCs)					1			
	(Ex db IIC T6/T5 Gb)			(IECEX)		2			
	(Ex tb IIIC T80°C/T90°C Db)			(ATEX)		3			
				(CCC)		4			
Connection	Air – PT1/4", Conduit – G(PF)1/2" Air – NPT1/4", Conduit – NPT1/2" Air – NPT1/4", Conduit – M20						G N M		
Position L/S	None 2×SPDT							0 1	
Option	None HART communication								0 H



LEVER TYPE

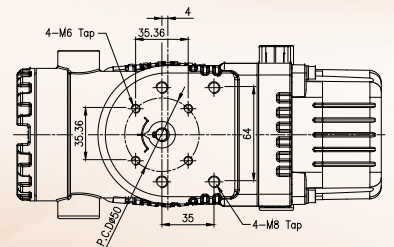
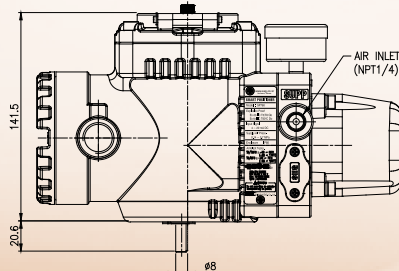
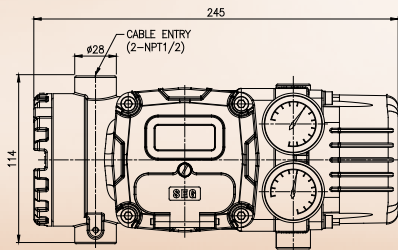


FORK LEVER TYPE



NAMUR TYPE

DIMENSIONS



Production item

- ◆ **Motor Cylinder**
- ◆ **Electrical Actuator**
- ◆ **Pneumatic Actuator**
- ◆ **Smart Positioner**



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