



SP740 SMART VALVE POSITIONER



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



SP740



SP760



SP520



FEATURES

- High reliability
- 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 ia IIC T5/T6 (IECEx, ATEX, KCs, CCC)
- Vibration and impact resistance
- HART communication

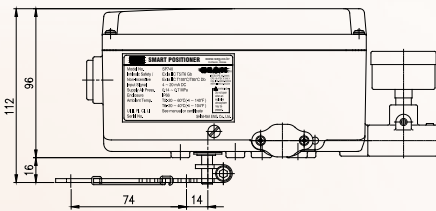
Model	SP740S (Single)		SP740D (Double)	
	Linear	Rotary	Linear	Rotary
Motion Type	Linear	Rotary	Linear	Rotary
Input Signal	4~20mA DC			
Impedance	Max.450Ω @ 20mA DC			
Air Connection	PT 1/4, NPT 1/4			
Pres. Gauge Connection	PT 1/8, NPT 1/8			
Conduit Entry	PF(G) 1/2(Standard), NPT1/2(Option)			
Supply Pressure	0.14~0.7 MPa (1.4~7 bar)			
Explosion Proof Grade	Ex ia IIC T5/T6			
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(Optional)	HART Communication			
Feedback Signal (Option)	4~20mA (DC 10~30V)			
Material	Aluminum Diecasting			
Weight	2 kg (4.4 lb)			



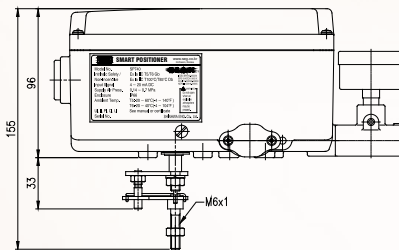
1. Input signal (4~20mA DC)
Feedback signal (4~20mA DC, 2Wire)
2. Limit switch Terminal
3. Limit switch (Option)
4. Indicator needle
5. LCD
6. Button (4)
7. Pressure gauge

MODEL SELECTION

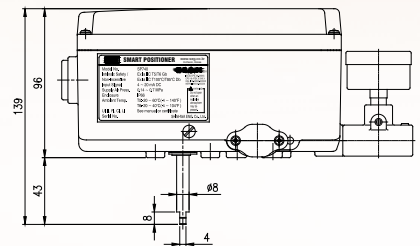
모델명	SP740	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Acting Type	Single Double	S D							
Motion Type	Linear 20 ~ 80 mm 80 ~ 160 mm	L1 L2							
	Rotary Standard Fork Lever Namur	R0 R1 R2							
Feedback	None Position transmitter(4 ~ 20 mA DC)			0 1					
Output safe Position	Fail safe Fail Lock				1 *				
Explosion Protection	None Explosion proof(IP66) Explosion proof(Ex ia IIC T5/T6)					1 2			
Connection	Air – PT1/4", Conduit – G(PF)1/2" Air – NPT1/4", Conduit – NPT1/2"						G N		
Position L/S	None 2 × SPDT							0 1	
Option	None HART communication								0 H



LEVER TYPE

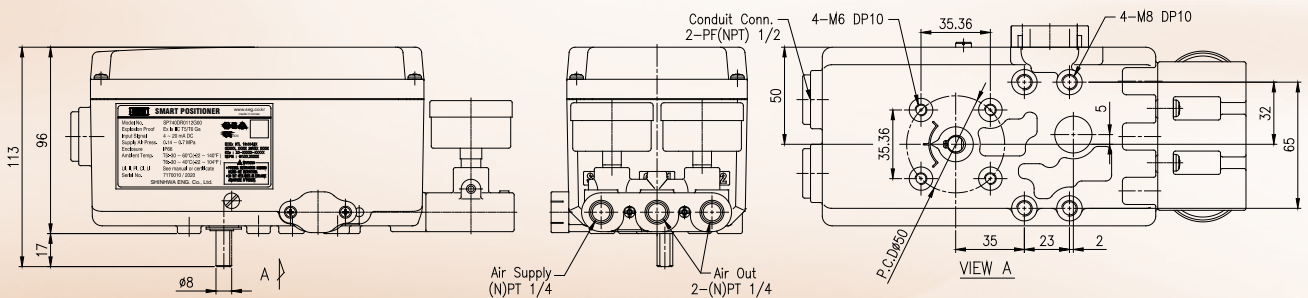


FORK LEVER TYPE



NAMUR TYPE

DIMENSIONS



Production item

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



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