



NO.	PART NAME	MATERIAL	Q'Ty
3	PRESSURE GAUGE	SUS304/SUS316	2
2	BASE COVER	ALDC12/SUS316	1
1	BASE BODY	ALDC12/SUS316	1

PT	SENSITIVITY	±0.2% F.S.
	HYSTERESIS	±0.5% F.S.
	LINEARTY	±0.5% F.S.
	PROTECTION	IP66
	ADJUSTMENT	AUTO CAL.
	LOAD RESISTANCE	MAX 1000Ω /30V DC
	OUTPUT SIGNAL	4~20mA DC
SUPPLY VOLTAGE	12~30V DC	
INPUT SIGNAL	2 WIRE	

-SPECIFICATIONS

Communication	WITHOUT	HART	Profibus-PA	Foundation Fieldbus
Input Signal Bus voltage	4 - 20 mA @ 24 VDC		9 - 32 VDC	
Min. / Max. Current	3.6 mA / 50mA			
Current Consumption	-		15mA	16mA
Voltage Drop (Resistance)	8.9 VDC (445Ω)	9.4 VDC (470Ω)	-	
Stroke / Angle	Linear type : 5 - 130 mm * Rotary type : 25 - 120°			
Air Supply Pressure	1.4 - 7.0 bar (20 - 100 psi), filtered, compressed dry and non-oiled to meet Class 3 of ISO 8573-1			
Output Pressure Range	0 - 100% of supply air pressure			
Air Capacity	80 ℓ/min = 4.8 N m ³ /h = 2.8 scfm (Sup = 1.4 bar) 233 ℓ/min = 14 N m ³ /h = 8.2 scfm (Sup = 6 bar)			
Air Consumption	2 ℓ/min = 0.12 N m ³ /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 or 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 / powder-painted			
Weight	ALDC : 1.6kg * SUS316 : 3.9kg			

Protection Class
SS2R
<input type="checkbox"/> I : Intrinsically safe (IECEX Ex ia IIC T6/T5, ATEX Ex ia IIC T6/T5) <input type="checkbox"/> K : intrinsically safe (KC Ex ia IIC T6/T5) <input type="checkbox"/> W : Weatherproof to IP66

Feedback Lever	Gauges Block	By-pass	Position Feedback	Communication	Electrical Connections	Mounting Bracket
<input type="checkbox"/> F : Fork lever <input type="checkbox"/> N : Namur shaft (direct mounting)	<input type="checkbox"/> 0 : Not mounted <input type="checkbox"/> 1 : 6 bar (90psi) <input type="checkbox"/> 2 : 10 bar (150psi)	<input type="checkbox"/> N : None (standard) <input type="checkbox"/> Y : Yes (auto/manual screw)	<input type="checkbox"/> N : None <input type="checkbox"/> O : Position transmitter (4 ~ 20mA output signal) <input type="checkbox"/> L : 2 x alarm limit <input type="checkbox"/> S : 2 x micro switch (SPDT) <input type="checkbox"/> M : O + L <input type="checkbox"/> Q : O + S	<input type="checkbox"/> N : None <input type="checkbox"/> H : HART <input type="checkbox"/> P : Profibus PA <input type="checkbox"/> F : Foundation Fieldbus	<input type="checkbox"/> 3 : PT(Rc) 1/4 - PF(G)1/2 <input type="checkbox"/> 4 : NPT 1/4 - NPT 1/2 <input type="checkbox"/> 5 : PT(Rc) 1/4 - M20x1.5	<input type="checkbox"/> N : None <input type="checkbox"/> L : IEC 60534-6-1 (for SS2L) <input type="checkbox"/> R : IEC 60534-6-2 (for SS2R) VDI/VDE 3845

PG POWER-GENEX http://www.power-genex.com				TITLE : SS2R(S) OUTLINE
DRAWN	NAME	SIGNATURE	PROJ : 3rd	PRODUCT NAME :
CHECKED	Kim. D . H		SCALE :	MODEL :
APPROVED	Kim. K . W		SIZE :	SS2 R
DATE				DWG NO. PG-SS2-02
QUANTITY			DIMENSION : mm	REV. NO. A
			SHEET 1 OF 1	



TITLE	SS2R(S) OUTLINE	NAME	DATE	SIZE	DWG NO	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND TOLERANCES ARE +/-0,5
DRAWN	MOTO	dd.mm.yyyy	A3	PG-SS2-02		
CHECKED	TOCO	dd.mm.yyyy	FILE NAME: GPX-SS2R.pdf			
ENG APPR	TOCO	dd.mm.yyyy	SCALE:	REV:		
MGR APPR	TOCO	dd.mm.yyyy	WEIGHT:	SHEET: 1 OF 1		

REV	DESCRIPTION	DATE	APPROVED
REVISION HISTORY			