

Model SSG

Digital Pressure Gauge / Switch

Description

SSG model contains Microprocessor in default. Moreover, it is a Pressure Gauge / Switch with characteristics of LED Display, 1~5VDC or 4~20mA(3wire) Analog Output, 2-Channel RELAY Output. Since it uses IP65 structure, there is no limitation with environmental conditions. As Pressure Sensor, Indicator and Switch are integrated in order to realize providing it at low price

Features

- ▶ CE Certified
- ▶ IP65 Protection
- ▶ LED display(Height 10mm)
- ▶ Built-in amplifier circuit(1~5VDC, 4~20mA)
- ▶ Optional 2-channel Relay switching output
- ▶ Measuring range -0.1~150MPa
- ▶ 0.5~0.8%FS accuracy
- ▶ 18~26VDC excitation voltage

Applications

- ▶ Process control
- ▶ Hydraulics & Pneumatic
- ▶ Compressor Control
- ▶ Chillers
- ▶ Refrigeration Equipment



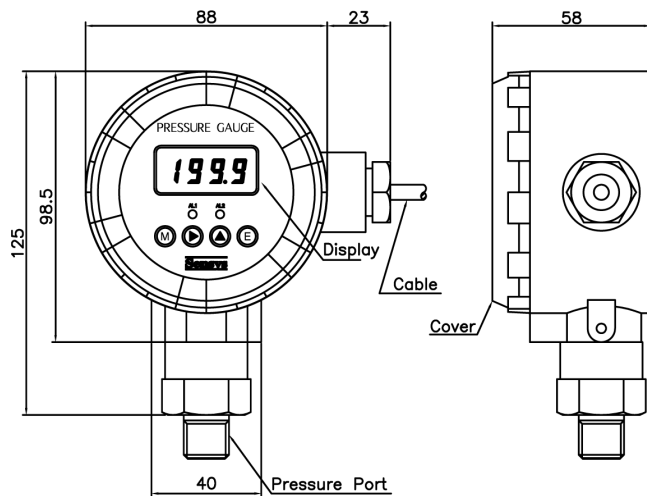
Specifications

	SSG A / C	SSG B / D
Range	-100kPa ~ 0 ~ 5kPa ... 150MPa (Gauge, Absolute)	
Performance		
Accuracy	$\pm 0.5\%FS \pm 1\text{digit}$ (>3.5MPa : $\pm 0.8\%FS \pm 1\text{digit}$)	
Thermal Effect on Zero	$\pm 0.05\%FS/^{\circ}C$ (>3.5MPa : $\pm 0.08\%FS/^{\circ}C \pm 1\text{digit}$)	
Thermal Effect on Span	$\pm 0.05\%FS/^{\circ}C$ (>3.5MPa : $\pm 0.08\%FS/^{\circ}C \pm 1\text{digit}$)	
Compensated Temperature Range	-10 ~ 70 $^{\circ}C$	
Operating Temperature Range	-20 ~ 80 $^{\circ}C$	
Electrical		
Display	LED(Red Color)	
Max Readout	$\pm 1999(3 \frac{1}{2})$	
Height of Digits	10mm	
Excitation	18 ~ 26VDC	
Output	2-Channel Normal Open Relay (5A 28VDC / 10A 125VAC / 5A 250VAC)	
Switching Signal	—	
Analog Signal	1~5VDC, 4~20mA(3Wire)	
Electrical Connection	Cable	DIN Connector
Physical		
Proof Pressure	150%FS Max.	
Burst Pressure	200%FS Min.	
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Pressure Port	R(PT)3/8", Other Connection Available on Request	
Media-Wetted Materials	Stainless Steel 303, 316L, VITON (>3.5MPa : Stainless Steel 303, Titanium 87%)	
Protection	IP65	
Weight	Approx. 700g (Standard type only)	

Dimension

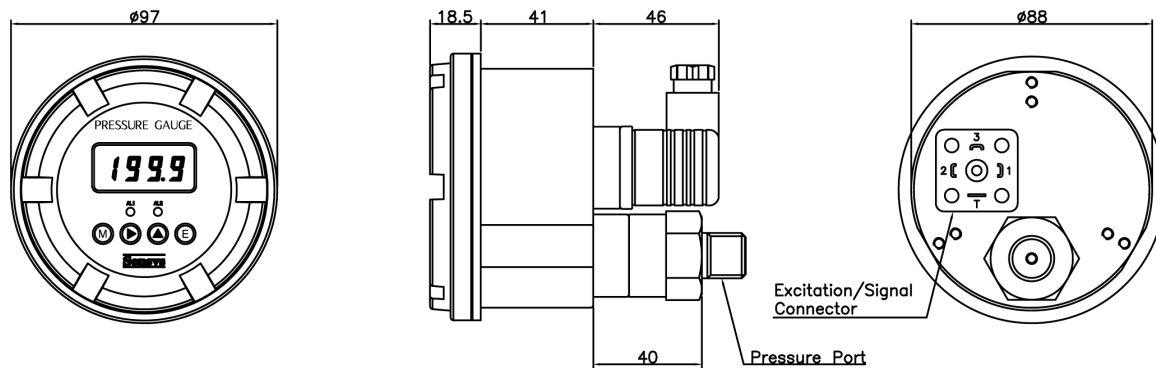
► SSGA/SSGC(Standard Type)

● Stand Type



Wire Color	Connections
Red	Input ⊕
White	Common ⊖
Green	Output ⊕
Shield	Earth

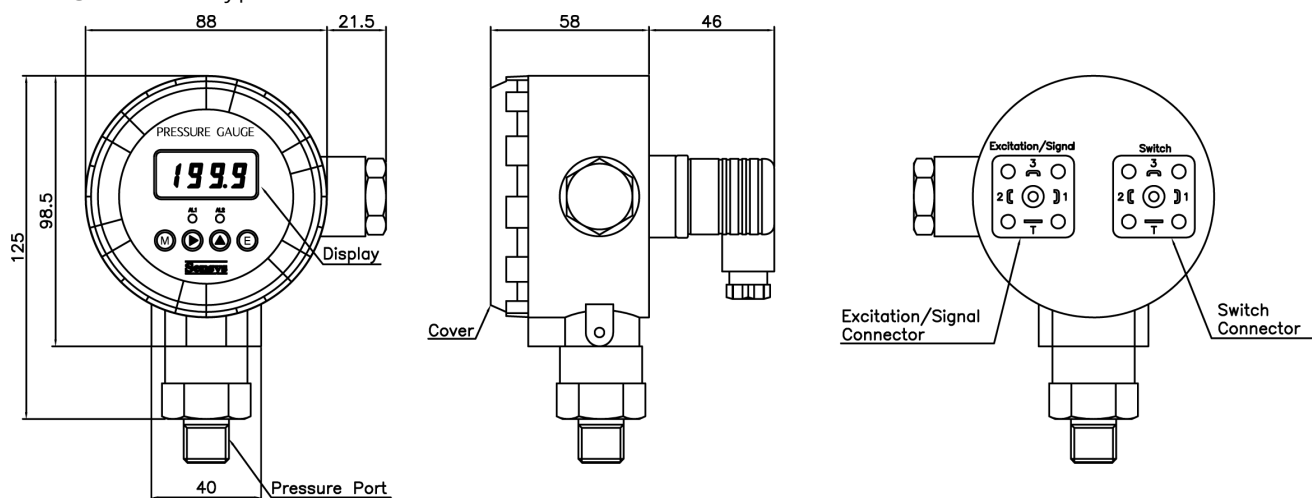
● Panel Mounting Type



Excitation/Signal Pin No.	Connections
1	Input ⊕
2	Common ⊖
3	Output ⊕
⊕	Earth

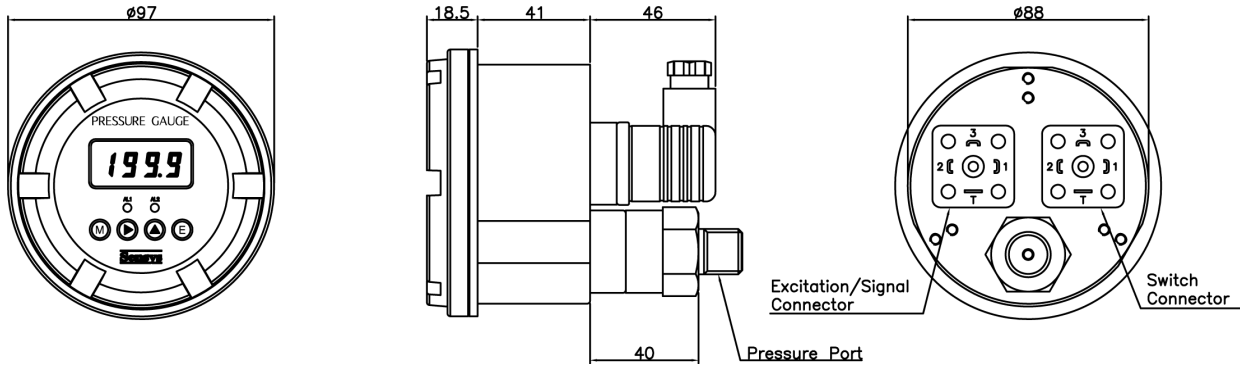
► SSGB(Switch Output Type)

● Stand Type



Excitation/Signal Pin No.	Connections	Switch Pin No.	Connections
1	Input ⊕	1	Switch 1
2	Common ⊖	2	Switch 1
3	Output ⊕	3	Switch 2
⊕	Earth	⊕	Switch 2

● Panel Mounting Type



Excitation/Signal Pin No.	Connections	Switch Pin No.	Connections
1	Input ⊕	1	Switch 1
2	Common ⊖	2	Switch 1
3	Output ⊕	3	Switch 2
⊕	Earth	⊖	Switch 2

Ordering Information

Model Name	SSG	A	01.00	M	A	A	Type
Output							A : Stand Type B : Panel Mounting Type
A : 1~5V B : 2-Ch. Relay, 1~5V C : 4~20mA(3Wire) D : 2-Ch. Relay, 4~20mA(3Wire)							Pressure port A : R(PT)3/8" D : G(PF)1/4" B : G(PF)3/8" E : R(PT)1/2" C : R(PT)1/4" Q : G(PF)1/2"
Pressure Range(Display Digit)							Pressure Unit R : kPa M : MPa B : bar K : kgf/cm ² P : psi H : mmHg C : cmH ₂ O
XXXX : Pressure CXXX : Compound Pressure							