

# Model SIL

## Depth and Level Transmitter with Local Indication

### Description

SIL model, has Case Protection(IP67), Sensor Protection(IP68) is able to use in an outdoor area and at the place is required to be waterproofed. With 4-1/2 Digit Backlight LCD, it can not only display up to  $\pm 19999$  but also is visible from the dark place. Its functions, Analog output, Relay output and RS-485 communication, Pressure Unit convertor and Scale adjustment can be utilized with a variety of controller. In addition, it can perform atmospheric compensation and use in seawater with the polyurethane vented cable.

### Features

- ▶ 4 1/2 digit Backlight LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Optional 2-channel Relay output, RS485
- ▶ Measuring range 0~350m(35kgf/cm<sup>2</sup>)
- ▶ 0.2%FS accuracy
- ▶ Fully sealed construction
- ▶ Vented polyurethane cable
- ▶ Stainless steel(316L) media-wetted materials

### Applications

- ▶ Tank Level Measurement
- ▶ Deep Well Measurement
- ▶ Ship & Marine System
- ▶ Ground & Surface Water Monitoring
- ▶ Geophysical Application
- ▶ Water Supply & Reservoirs

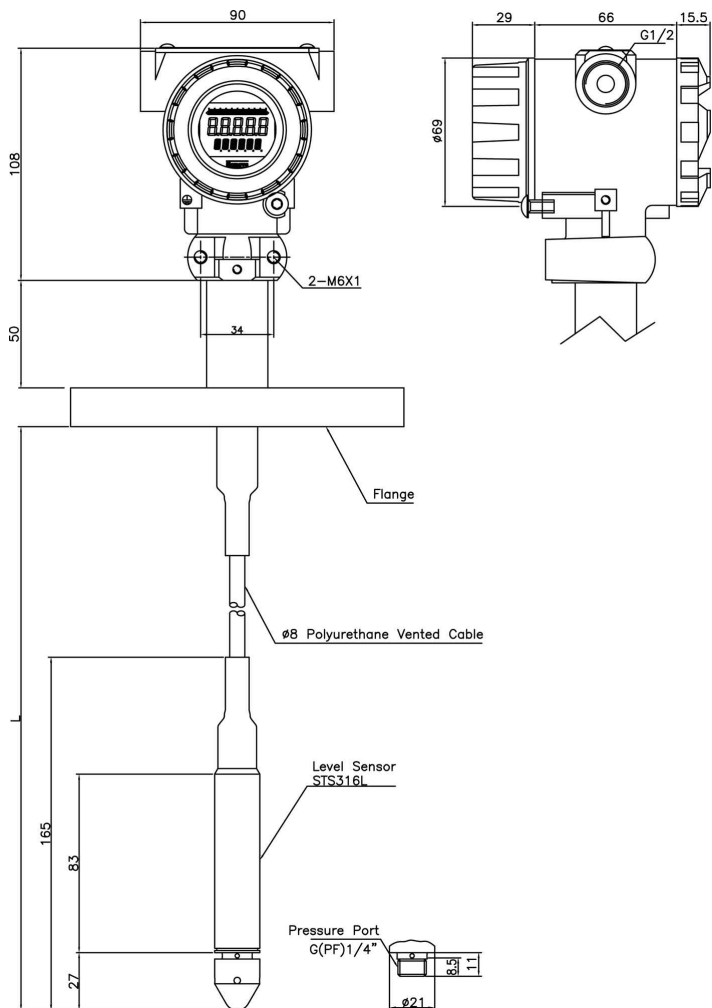


### Specifications

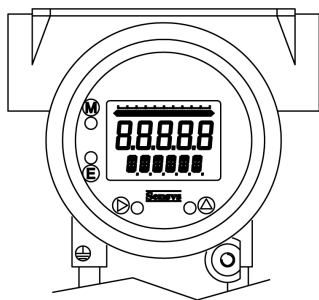
	2Wire Output	3Wire Output
<b>Range</b>	0~0.5 ... 350 mH <sub>2</sub> O (Gauge) 0~10 ... 350 mH <sub>2</sub> O (Absolute)	
<b>Performance</b>		
Accuracy	$\pm 0.2\%FS \pm 1\text{digit}$	
Thermal Effect on Zero	$\pm 0.03\%FS/^{\circ}C$	
Thermal Effect on Span	$\pm 0.03\%FS/^{\circ}C$	
Compensated Temperature Range	0 ~ 70 $^{\circ}C$	
Operating Temperature Range	-20 ~ 80 $^{\circ}C$	
<b>Electrical</b>		
Display	$\pm 19999(4\ 1/2)$ Backlight LCD	
Excitation	11~28VDC	17~28VDC
Output		
Analog	4~20mA(2Wire)	4~20mA(3Wire), 0~5V, 1~5V, 0~10V
Switching(Optional)	—	2Ch Relay(3A 30VDC / 3A 250VAC)
Digital(Optional)	—	RS485
Response Time	0.1~1sec	
Electrical Connection	G(PF) 1/2"	
<b>Physical</b>		
Proof Pressure	200%FS Max.	
Burst Pressure	300%FS Min.	
Vibration	49.1m/s <sup>2</sup> {5G}, 10~500Hz	
Shock	490m/s <sup>2</sup> {50G}	
Pressure Port		
Sensor Part	Nose cone, G(PF)1/4"	
Display Part	Flange & Other Connection Available on Request	
Media-Wetted Materials	Stainless Steel 316L	
Protection		
Sensor Part	IP68	
Case Part	IP67	

## Dimension

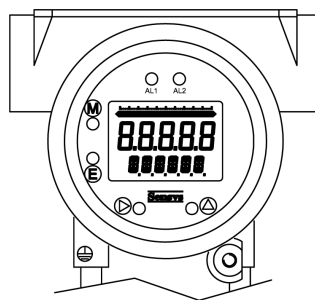
### ► Out Dimension



### ► Front Panel

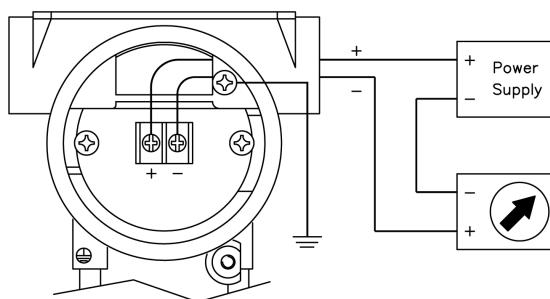


Non Switching Output Type

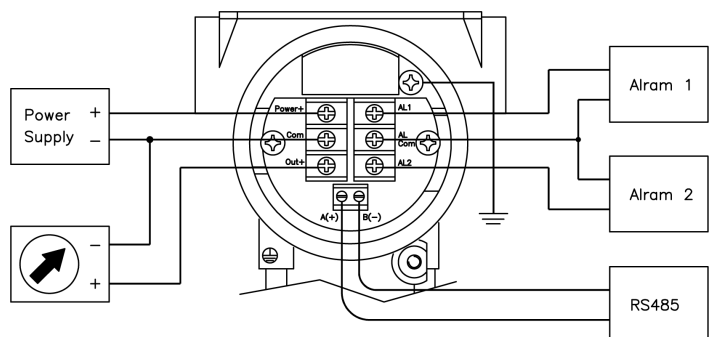


Switching Output Type

### ► Connection



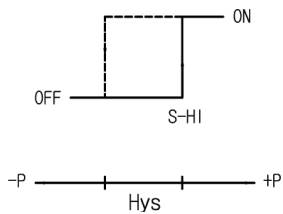
2Wire Output Type



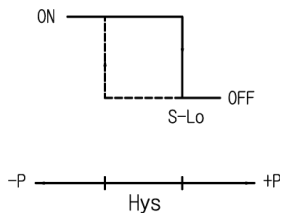
3Wire Output(Option : Switching Output, RS485)

## Alarm Mode

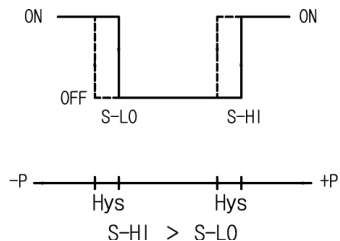
### ► Hi Mode



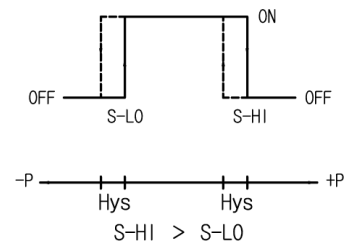
### ► Low Mode



### ► A Mode



### ► B Mode



## Ordering Information

<b>Model Name</b>	<b>SIL H A 0010 K A G</b>	<b>Type of Pressure Measurement</b>
<b>Analog Output</b>		G : Gauge J : Absolute
C : 0~5V E : 1~5V G : 4~20mA(3Wire) H : 4~20mA(2Wire) J : 0~10V		<b>Mounting Connection</b>
<b>Switching &amp; Digital Output</b>		A : R(PT)3/8" B : G(PF)3/8" C : R(PT)1/4" D : G(PF)1/4" E : R(PT)1/2" Q : G(PF)1/2" *. Flange & Other Connection Available on Request
A : None B : 2-Ch. Relay C : RS485 D : 2-Ch. Relay, RS485		<b>Pressure Unit</b>
<b>Pressure Range</b>		R : kPa M : MPa B : bar K : kgf/cm <sup>2</sup> P : psi H : mmHg C : cmH <sub>2</sub> O
XXXX : Pressure		