

Model SDL

Depth and Level Transmitter with Local Indication

Description

SDL model, the highest precise pneumatic level transmitter, has a sensor that is waterproof up to a depth of 350m. It is capable of being used in seawater by the polyurethane vented cable and performs atmospheric compensation. It is proper to install the display unit outdoor with the protection grade IP 65. It is applied to deep wells and tank levels.

Features

- ▶ 3 1/2 digit LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Gauge and absolute measurement
- ▶ Small Diameter($\phi 21$)
- ▶ Fully sealed construction
- ▶ Vented polyurethane cable
- ▶ Optional 2-channel switching output (Relay output or NPN open collector output)
- ▶ Measuring range 0~350m(35kgf/cm²)
- ▶ 0.2%FS accuracy
- ▶ 11~28VDC or 110~220VAC(50~60Hz) excitation voltage
- ▶ 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

Range

0~0.5, 1, 2, 3, 5, 10, 20, 30, 50, 70, 200, 350 mH₂O (Gauge)
0~10, 20, 30, 50, 70, 200, 350 mH₂O (Absolute)

Performance

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 $^{\circ}C$

Electrical

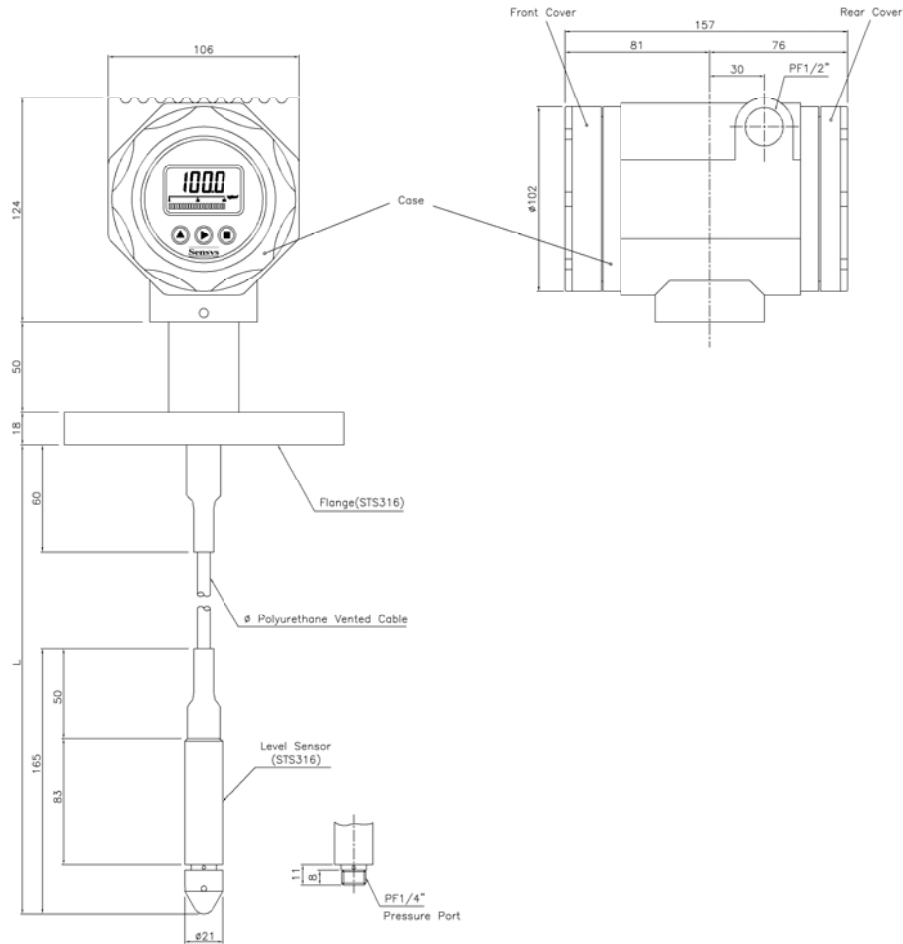
Display	$\pm 1999(3 \frac{1}{2}) \text{ Digit LCD}$
Excitation	11 ~ 28VDC, 85~264VAC(50~50Hz)
Output	
Switching Signal	2Channel Relay, 2Channel NPN Open Collector
Analog Signal	4~20mA(2, 4 Wire), 0~5VDC, 1~5VDC, 0~10VDC
Electrical Connection	G(PF) 1/2", Cable Gland

Physical

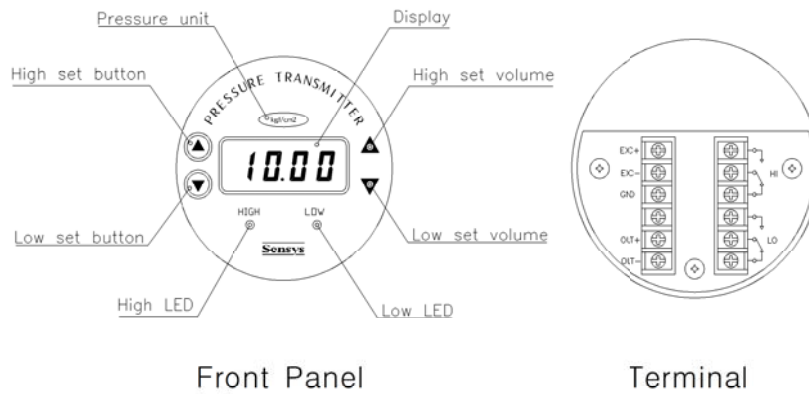
Proof Pressure	200%FS Max.
Burst Pressure	300%FS Min.
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure Port	
Sensor Part	Nose cone, G(PF)1/4"
Display Part	Flange & Other Connection Available on Request
Media-Wetted Materials	Stainless Steel 316
Protection	IP65
Weight	Approx. 2kg (Standard type only)

Dimension

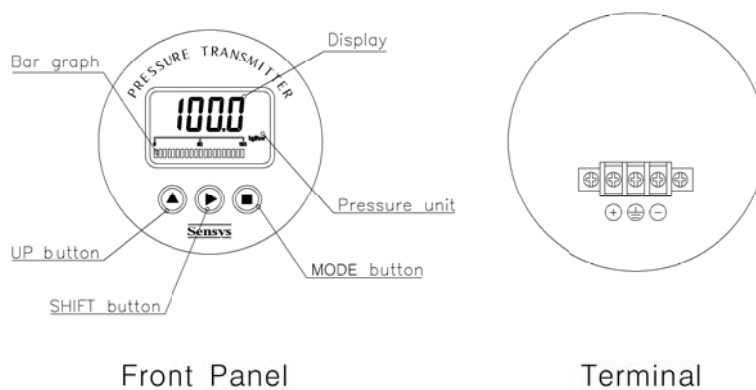
► Out Dimension



► Switching Output Type



► 2wire mA Output Type



Ordering Information

Model Name	SDL	H	A	0010	K	E	A	G	Type of Pressure Measurement
									G : Gauge J : Absolute
Analog Output									Excitation
B : 0~5V D : 1~5V F : 4~20mA(4Wire) H : 4~20mA(2Wire) K : 0~10V									A : 11~28VDC B : 85~264VAC (50~60Hz)
Switching Output									Mounting Connection
A : None B : 2-Ch. Relay C : 2-Ch. NPN Open Collector									J : Flange
Pressure Range									Pressure Unit
XXXX : Pressure									R : kPa M : MPa B : bar K : kgf/cm ² P : psi H : mmHg C : cmH ₂ O



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· Specifications are subject to change without notice.