

DIAL TYPE LEVEL TRANSMITTER

SGL GEAR TYPE LEVEL TRANSMITTER

Level Measurement
& Monitoring



DESCRIPTION

The SGL gear type liquid level transmitter is designed to measure the level of liquid such as water, diesel oil, bunker-c, etc. by using the buoyancy of float and spring force. When the level rises, the spring is wound up as the buoyancy increases and the load applied to wire decreases. When the level falls, buoyancy decreases and the load applied to wire increases. The front scale connected to float and wire through gear mechanism displays the level variation on the dial, and R/I converter outputs 4~20mA DC analog signal by using the built in potentiometer.

For installation, a chamber should be used if there is turbulence in the tank. Avoid high temperature and pressure tank (85°C max), high viscosity and corrosive.

TECHNICAL FEATURES

FEATURES

- ✓ Wetted part SS304 or SS316
- ✓ Remote or local display available
- ✓ Compact in design
- ✓ Easy to carry and install
- ✓ Up to 85°C
- ✓ User friendly, easy maintenance

Measuring medium	Liquid / Oil
Measuring range	Max 10 meter
Wetted part material	(Float, wire & flange) SS304 / SS316
Body material	ABS
Float size	Standard: 3" vertical Ø76.3 x 174H (Option 1): 2" vertical Ø48.6 x 300H (Option 2): horizontal Ø250 x 40H
Standard mounting	JIS 10K 80A 6T FF Flange (SS304)
Output	SGL-1: Local indication (dial display) only SGL-2: 4-20mA DC (w/o local indication) SGL-3: Local indication & 4-20mA DC
Specific gravity	Float 0.6 / Measuring medium min 0.8
Accuracy	±20mm (vertical) / ±10mm (horizontal)
Body Temperature	(SGL-1) -20 to 85°C / (SGL-2 & SGL-3) -20 to 60°C
Sensor Temperature	-20 to 85°C
Op Pressure	ATM
Protection Class	IP65 (weather proof)

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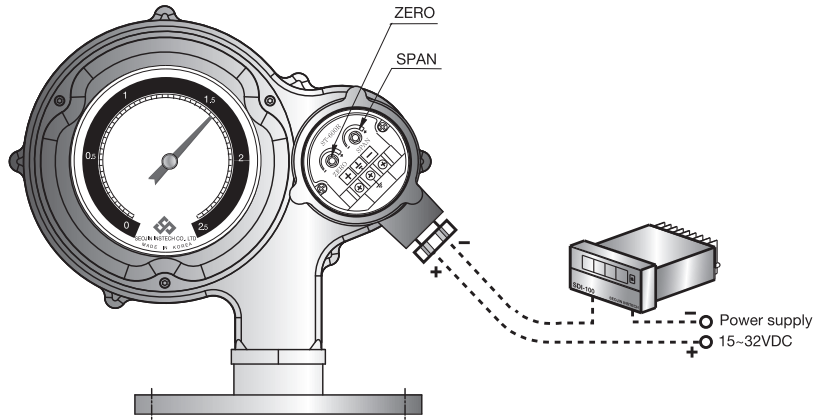
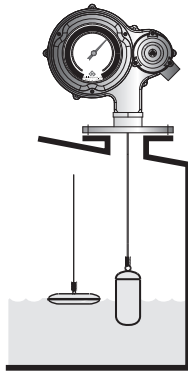
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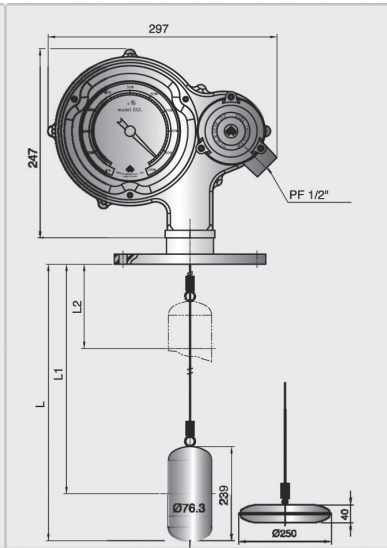
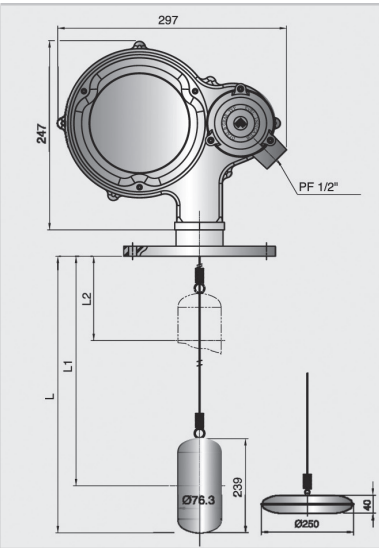
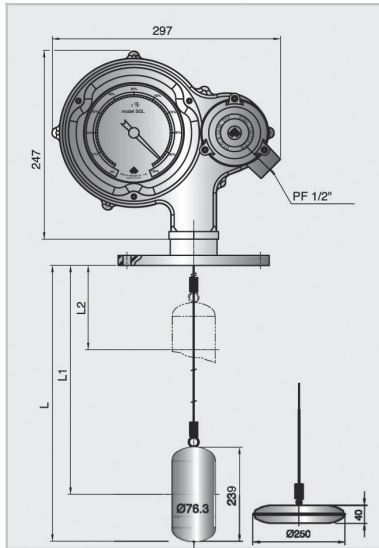
DIMENSION/DRAWING



SGL - 1

SGL - 2

SGL - 3



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