

Model PLF/PLS/PLK

Depth and Level Transmitter for Seawater

Description

The PLF/PLS/PLK models are KR certified high-precision pressure level transmitters with the sensor part made of titanium or stainless steel 316L. Titanium material is very resistant to seawater, making it ideal for shipbuilding and offshore industries. This model is a ventilated polyurethane cable for atmospheric pressure compensation and can measure up to 350 m deep. Users can adjust the measurement range from 100% to 30% on the external AMP box.

Features

- ▶ KR certified
- ▶ 100~30% Range Adjustable
- ▶ 4~20mA output
- ▶ Gauge and absolute measurement
- ▶ 0.25%FS accuracy
- ▶ Fully sealed construction
- ▶ Vented polyurethane cable
- ▶ Piezoresistive silicon cell
- ▶ Titanium or 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



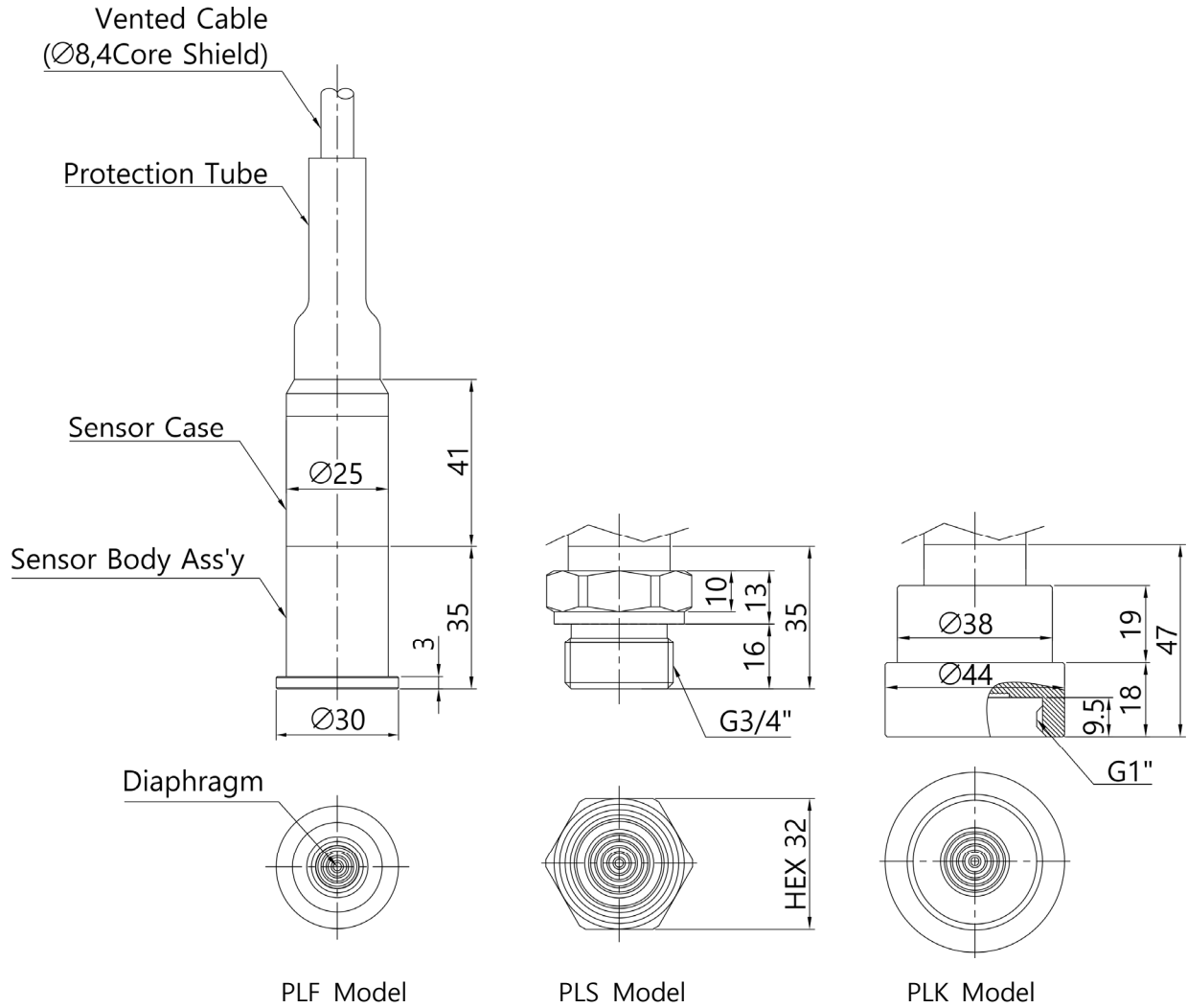
Specifications

Level(Pressure) Range	0~1, 3.5, 10, 20, 35, 70, 200, 350mH ₂ O (Gauge) - Range Adjustable(100~30%) 0~10, 20, 35, 70, 200, 350mH ₂ O (Absolute) - Range Adjustable(100~30%)
Accuracy	±0.25%FS(RSS) ⁽¹⁾
Thermal Effect on Zero	±0.05%FS/°C ⁽¹⁾
Thermal Effect on Span	±0.05%FS/°C ⁽¹⁾
Compensated Temperature Range	0~70°C
Operating Temperature Range	-20~80°C
Power	11~28VDC
Output	4~20mA(2Wire)
Electrical Connection	Cable Gland
Proof Pressure	X1.5
Materials	Sensor : Titanium or Stainless Steel 316L / AMP Box : Aluminium
Protection	Sensor : IP68, AMP BOX : P65

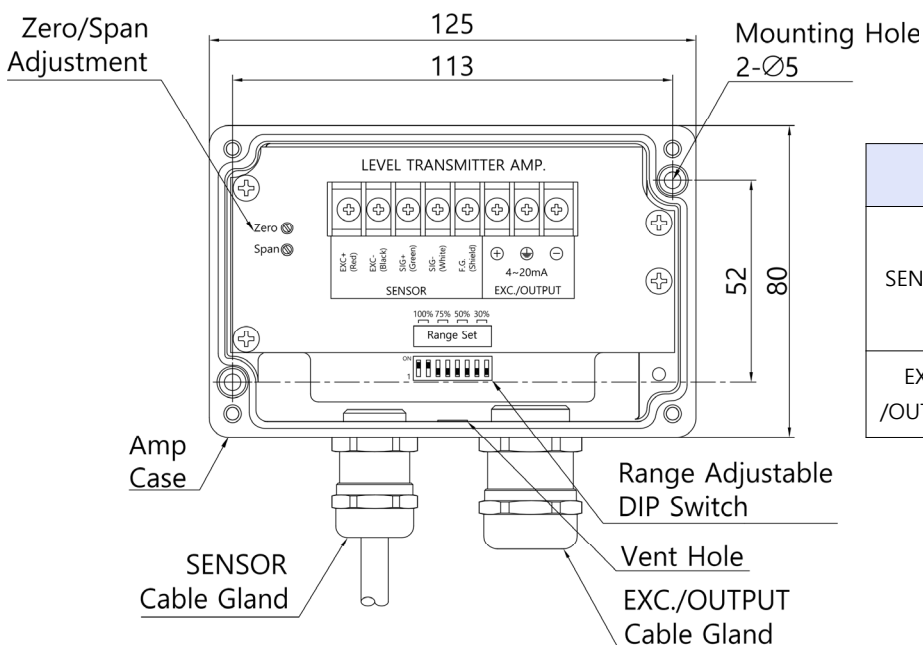
⁽¹⁾ Based on 100% of the level range

Dimension

► Sensor Part



► AMP Box Part



AMP Box Terminal		Sensor Cable	Power /Output
SENSOR	EXC+ (Red)	Red	
	EXC- (Black)	Black	
	SIG+ (Green)	Green	
	SIG- (White)	White	
	F.G. (Shield)	Shield	
EXC. /OUTPUT	⊕		Power+
	⊖		F.G.
	⊖		Output+

Ordering Information

Model Name	PL	F	H	0010	W	G	S	-	10	-	☐	Option
Type												Cable Length(m)
												Sensor Material
F : Flange												S : SS316L
S : G3/4"(M)												T : Titanium
K : G1"(F)												
Output												Type of Pressure Measurement
H : 4~20mA(2Wire)												G : Gauge
												J : Absolute
Level(Pressure) Range												
XXXX												
Pressure Unit												
R : kPa												M : MPa
B : bar												K : kgf/cm ²
P : psi												H : mmHg
C : cmH ₂ O												W : mH ₂ O



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· Specifications are subject to change without notice.