Model PLF

Depth and Level Transmitter for Seawater

Description

PLF model made by Titanium or STAINLESS STEEL 316L is a high precision pressure level transmitter. This Titanium material is ideal for the shipbuilding and the marine industry with excellent durability for the seawater. This model can equalize to atmospheric pressure and can measure up to 350m depth by the vented polyurethane cable. Users can calibrate the Zero & the Span value in the external AMP box.

Features

- 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



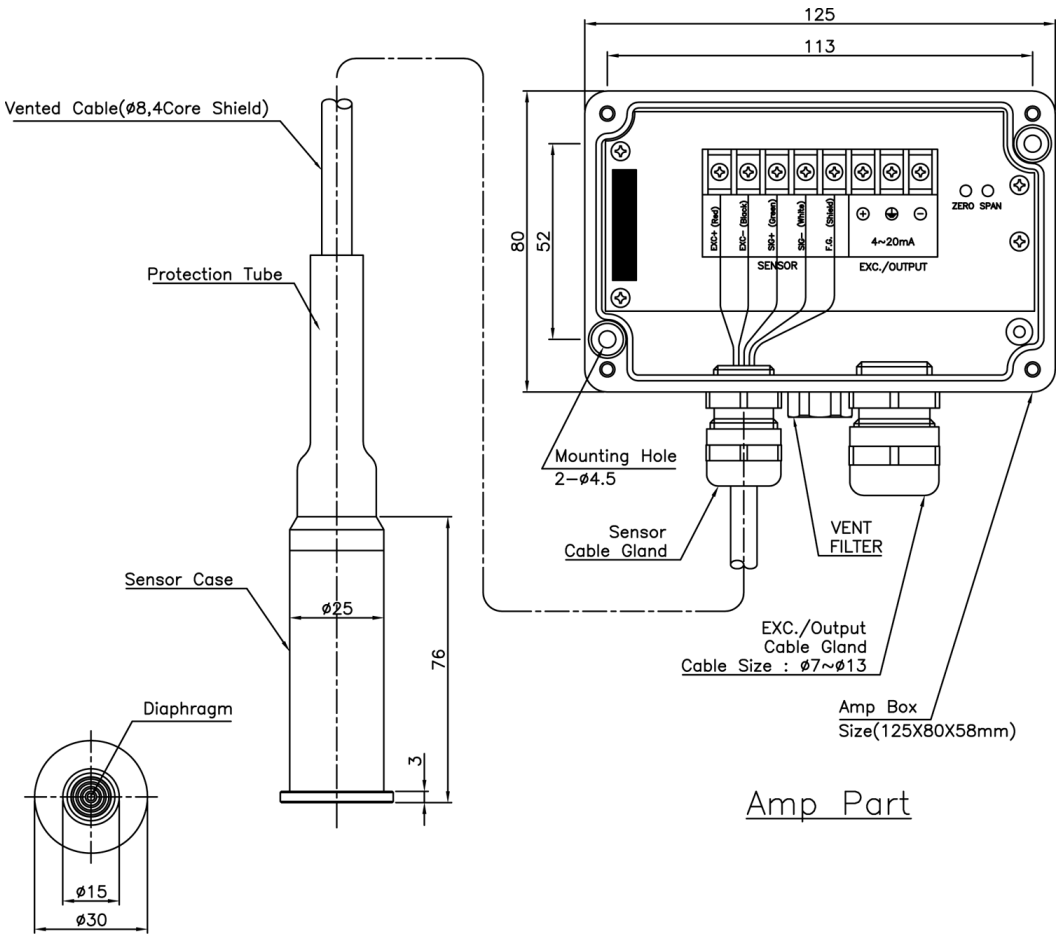
Applications

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

Specifications

Range	
	0~3 ... 350 mH_2O (Gauge, Absolute)
Performance	
Accuracy	±0.25%FS(RSS)
Thermal Effect on Zero	±0.05%FS/℃
Thermal Effect on Span	±0.05%FS/℃
Compensated Temperature Range	0 ~ 70℃
Operating Temperature Range	-20 ~ 80℃
Electrical	
Excitation	11 ~ 28VDC
Output	4~20mA(2Wire)
Electrical Connection	AMP. Box Cable Gland
Physical	
Proof Pressure	X3
Burst Pressure	X4
Vibration	49.1m/s^2{5G}, 10~500Hz
Shock	490m/s^2{50G}
Protection	Sensor : IP68
Media-Wetted Materials	Titanium or Stainless Steel 316L
Weight	Approx. Sensor 150g, Amp 600g

Dimension



Pin No.	Connections (2Wire)
⊕	Input ⊕
⏚	Earth
⊖	Output ⊕

Ordering Information

PLF H 0010 K 0 J G-TI

Model Name

Output
H : 4~20mA(2Wire)

Pressure Range
XXXX : Pressure

Pressure Unit
R : kPa
M : MPa
B : bar
K : kgf/㎠
P : psi
H : mmHg
C : cmH_2O

Sensor Material
None : SS316L
TI : Titanium

Type of Pressure Measurement
G : Gauge
J : Absolute

Connecting Methods
J : Vented Cable

Pressure port
0 : Nose Cone

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