

DATASHEET

Pressure Level

Submersible Level Transmitter For Water Level & Temperature Measurement Model PWP412-T3

Applications

- Surface water monitoring
- Deep well and ground water monitoring
- Liquids measurement in tanks and vessels
- Industrial process control
- City water supply
- Pressure switch and hydraulic system
- Irrigation equipment

Features

- Reliable, precise measurement, long-term stability
- All stainless steel structure, anti-corrosion, moisture-proof and anti-leakage
- Easy to install
- Wide measuring range
- Robust and cost-effective
- IP68 water-proof



Submersible Level Sensor PWP412-T3

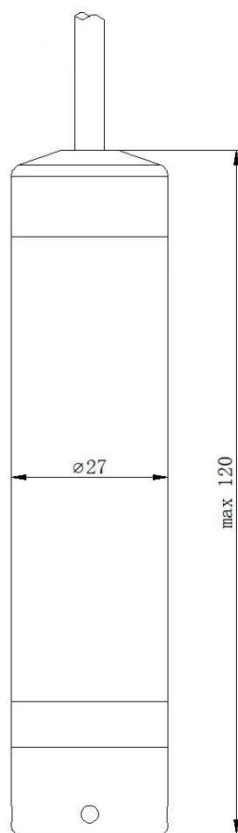
Description

PWP412-T3 is a submersible level transmitter, adopts an all-stainless steel integrated structure. It has an all-stainless steel solid structure with no moving parts, ensuring that the product can work for a long time without leakage. The front water inlet cap plays a role in protecting the sensor. The product uses a special air-conducting cable. The measured liquid level is not affected by changes in external atmospheric pressure. The measurement is accurate and has good long-term stability. It is widely used in liquid level measurement and control in petroleum, water conservancy, urban water supply, groundwater, reservoirs and containers.

Specifications

Model	PWP412-T3
Pressure Type	Relative (gauge) /Absolute pressure
Pressure Range	0m~2m...200m H ₂ O (optional)
Safe Overload	≤150%FS
Burst Pressure	200%FS
Electrical Connection	Directly outlet cable
IP Rating	IP68
Accuracy	±0.5%FS, ±1.0%FS, ±0.05%FS @25℃
Signal Output	SDI-12
Power Supply	12VDC
Temperature Compensation	0℃ to 75℃
Temperature Measurement	Optional
Temperature Accuracy	± 1℃
Working Temperature Range	-10℃ to +85℃
Temperature Drift	0.02%FS/℃
Storage Temp.	-40℃~+70℃
Housing Material	SUS304 or SS316L
Measuring Sensor Core	SS316L Diffused piezoresistive silicon core
Explosion Proof	Exia II CT6(Optional)
Cable Length	Optional, suggest minimum as long as level range
Cable material	PE, PU, FEP cable. Vent tube with a filter breath atmosphere and protect moisture entering transducer

Dimensions and Drawings



*Unit is mm. Above is typical structures. Other structures and dimensions can be customized.

Electrical Connection

Wire Color	Definition
Red	12V DC
Blue	Ground
White	Output

You may also Need

Reference Picture	Description	Model and Product
	To connect with pressure transmitter and to have a site indicator of the measured value, have high&low value alarms, record and control.	PWD Series Display/indicator/controller
	Cast aluminum material with IP67 protection level for submersible pressure transmitter. Moisture-proof sealing design, insulation protection against electric shock. To be placed in dry environment or in a cabinet.	0010 Terminal box
	To lock transmitter's cable on the top of tank, stainless steel material.	0001 Cable Locking Part
	The additional weight increases the dead weight of the submersible level transmitter. It helps operation of lower down the sensor into narrow spaces like deep wells, tubes, boreholes. To reduce negative environmental influences on the measuring result. Material stainless steel 316L, dimension differs according to measuring range.	0002 Additional Weight

***Tell us medium / which application / measuring range / working temperature / signal output / what you wanna to realize, our sales engineer will recommend suitable model for you.*