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SPT21WS Level Transmitter



Features

- Integrated construction, unnecessary to do outer adjustment
- Special Material, anti-corrosive
- Sensor housing protection IP68
- high reliability and stability;

Introduction

SPT21WS is full sealed submersible level transmitter with special material for anti-corrosive application. It is made by building in high stable and reliable OEM piezo-resistive pressure sensor and high accurate circuit board into the PTFE housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

SPT21WS level transmitter is suitable for level measurement of corrosive liquid.

Specification

- Range (FS) : 1 2 5 10 20 50 100 200mWC
- Overpressure: 2 times FS
- Accuracy: 0.5%FS
- Stability: range>20mH₂O, ±0.2%FS/year
range≤20mH₂O, 20mmWC
- Thermal drift:

	offset	span
range>10mWC	0.02%FS/°C	0.05%FS/°C
range≤10mWC	0.05%FS/°C	0.05%FS/°C
- Application temp. range: -10~80°C;
- Storage temp. range: -40~100°C
- Power supply: 11~28VDC
- Output signal: 4~20mADC(2-wire)
- Load (Ω): $<(U-11)/0.02$

Construction Material

Housing: PTFE

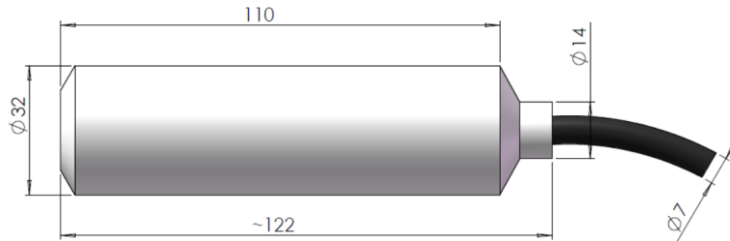
O-ring: FKM

Cable: $\phi 7.5\text{mm}$ Teflon shielded cable

Or other cable as per customer's requirement

Diaphragm: ceramic

Outline Dimension



Electric Connection

Wire color	Connection
Green	+OUT
Red	+V

Order Guide

SPT21WS	Level Transmitter		
	Range	Pressure range: 0~1...200mWC	
	[0~XmWC] L	X:actual measurement range L: cable length suggested L-X= (1~2) m	
		Code	Output signal
		E	4~20mADC
		J	0~5VDC
		V	0~10VDC
		R4	RS485 interface
SPT21WS	[0~4mWC]5	E	the whole spec

Order Note:

1. Please pay attention that the medium should be compatible with the contacted parts; please inform the density of the media (except water);
2. When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably;
3. For special requirement, please feel free to contact us.