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SPT21T High Temperature Use Pressure Transmitter

Features

- Reliable performance, easy application
- Short protection and reverse polarity protection
- Gauge, absolute and sealed gauge optional
- Compact size
- Designed for higher temperature application
- Range shifting available by our hand-held device



Introduction

SPT21T is piezo-resistive pressure transmitter, uses high stable and reliable pressure sensor and special circuit board to produce transmitter. This product is used for measure and control of petroleum, chemi-industry, electric power, hydrology and flow pressure measure, etc. Special designed for higher temperature application.

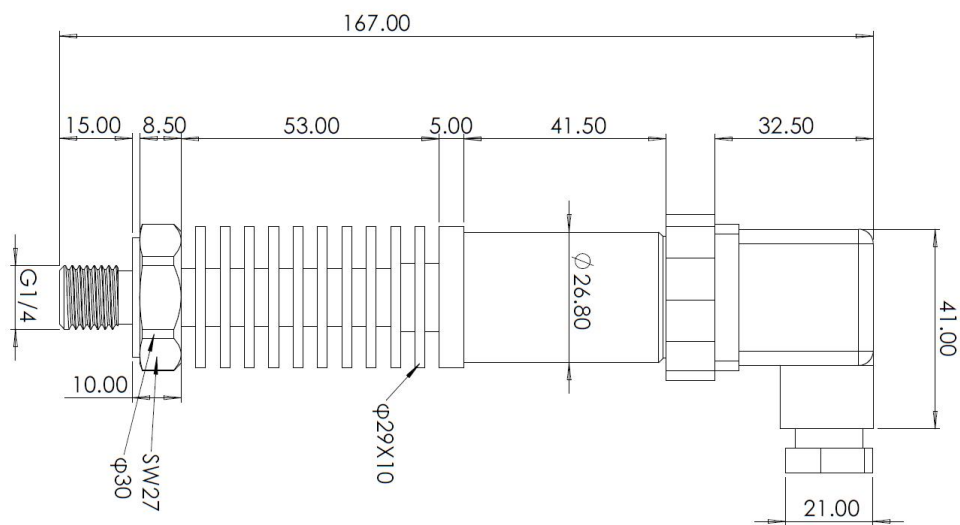
Specification

Item	Specification
Pressure range	-1...0~0.1...1000bar
Over pressure	1.5 times FS or 1100bar (min. value is valid)
Pressure type	Gauge/absolute/sealed gauge optional
Process connection	G1/4 male thread (optional)
Accuracy	±0.1%FS.±0.25%FS. ±0.5%FS optional
Long term stability	≤±0.3%FS/year
Offset thermal drift	0.1%FS/°C(≤1bar); 0.05%FS/°C(> 1bar)
Span thermal drift	0.1%FS/°C(≤1bar); 0.05%FS/°C(> 1bar)
Compensated temp.	0~50°C for range ≤2bar, -10~70°C for range > 2bar
Media temp.	-40~250°C
Operating temp.	-40~85°C
Storage temp.	-40~120°C
Power supply	12~28VDC
Output signal	4-20mA. 0-5V. RS485. etc
Load resistance	≤ (U-12) /0.02Ω (2-wire) , ≥10k (3-wire)
Housing protection	IP65 default IP67/68(customized)
Electrical connection	DIN43650 plug/M12 connector/Cable

Construction Material

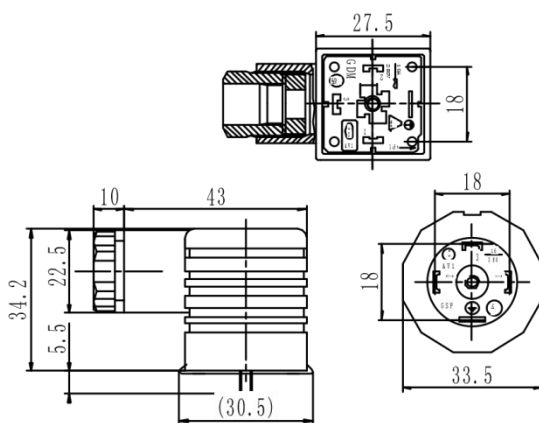
Housing	SS304
Pressure port	SS304
Diaphragm	SS316L
Sealing gasket	NBR
Plug housing	Nylon with glass fiber

Outline Dimension (Unit:mm)



DIN43650 plug version

Electrical Connection



Pin	2-wire	3-wire
1	+V	+V
2	+OUT	GND
3	Null	+OUT

Wire color	2-wire	3-wire
Red	+V	+V
Green	+OUT	+OUT
Black	Null	GND

Order Information

SPT21T	High Temperature Use Pressure Transmitter				
	Range	-1...0~0.1...1000bar			
	[0~X] bar	X: the actual measured pressure			
		Code	Output signal		
		E	4~20mADC		
		J	0~5VDC		
		V	0~10VDC		
		V1	0.5~4.5VDC		
		Code	Construction material		
			Diaphragm	Pressure port	Housing
		22	SS316L	SS304	SS304
		24	SS316L	SS316L	SS316L
		Code	Others		
			B1	DIN43650 connector	
			B2	Cable exit	
			B3	M12 connector	
			C2	G1/4 male thread	
			C3	G1/2 male thread	
			G	Gauge	
			S	Sealed gauge	
			A	Absolute	
SPT21T	[0~1bar]	E	22	B1C2G	the whole spec

Note:

1. Please pay attention that the media should be compatible with the contacted parts;
2. If any special requirements on function or specification, please contact with us freely.