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SPT21C Cost Effective Pressure Transmitter

Features

- Reliable performance, easy application
- Short protection and reverse polarity protection
- Gauge, absolute and sealed gauge optional
- Compact size



Introduction

SPT21C 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.

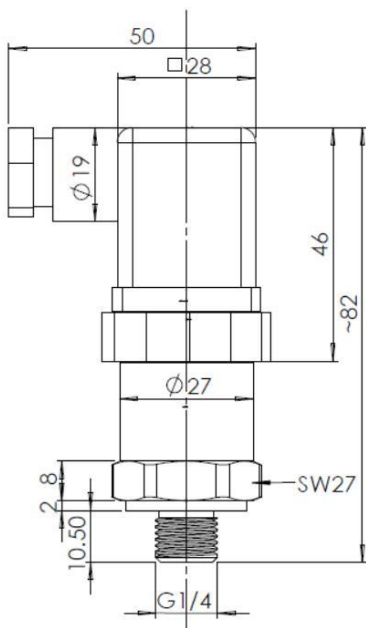
Specification

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 (customized)
Accuracy	±0.25%FS. ±0.5%FS
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
Application temp.	-30~80°C
Storage temp.	-40~120°C
Power supply	8~30VDC
Output signal	4~20mADC(2-wire) ; 0/1~5VDC(3-wire) /4-20mA. 0-5V. RS485. etc
Load resistance	≤ (U-8) /0.02Ω (2-wire), ≥10k (3-wire)
Housing protection	IP65
Electrical connection	DIN43650 plug/M12 connector/Cable

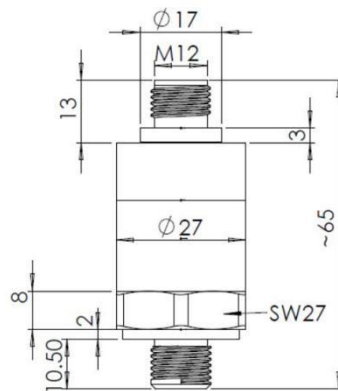
Construction material (Default version)

Housing	SS304
Pressure port	SS304
Diaphragm	SS316L
Sealing gasket	Viton
Plug housing	Plastic
Cable	Polyethylene Special Cable

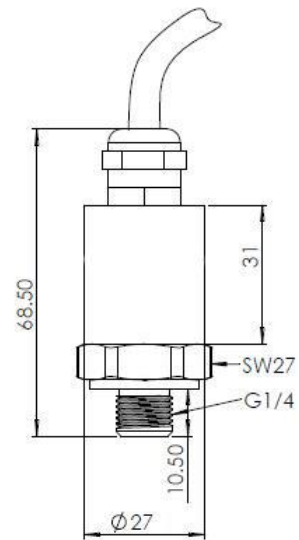
Outline dimension



DIN43650 plug version

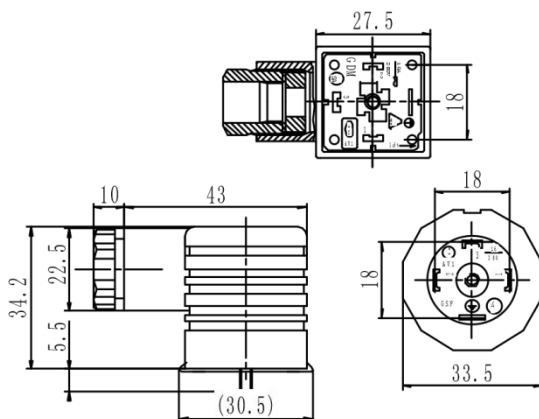


M12 plug version



Cable 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
Black	+OUT	+OUT
White	Null	GND

Order Information

SPT21C	Cost Effective 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	
SPT21C	[0~1bar]	E	22	B1C1G	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.