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SPT21C 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

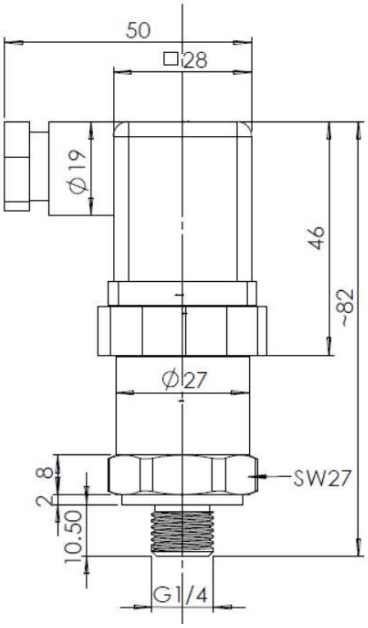
- Pressure range: −0.1…0～0.01…100MPa (-1…0~0.1…1000bar)
- Over pressure: 1.5 times FS or 110MPa (min. value is valid)
- Pressure type: Gauge/absolute/sealed gauge optional
- Process connection: G1/4 male thread (or as per customer's requirement)
- Accuracy: ±0.5％FS
- Long term stability: max. ±0.3%FS/year
- Offset thermal drift: 0.1%FS/℃(≤100kPa); 0.05%FS/℃(> 100kPa)
- Span thermal drift: 0.1%FS/℃(≤100kPa); 0.05%FS/℃(> 100kPa)
- Compensated temp.: 0~50℃
- Application temp.: -30~80℃
- Storage temp.: -40~120℃
- Power supply: 8~30VDC
- Output signal: 4~20mADC(2 wires) 0/1~5VDC(3 wires)
- Load resistance: ≤（U-12）/0.02Ω（2-wire）, ≥10k（3-wire）
- Housing protection: IP65
- Electrical connection: DIN43650 plug/M12 connector/Cable

Construction and Outline Dimension

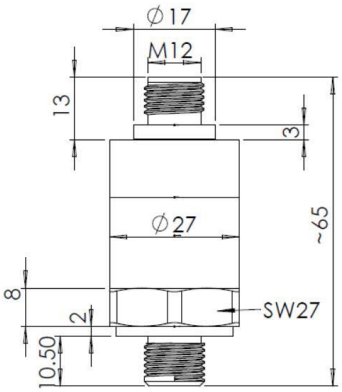
Construction material:

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

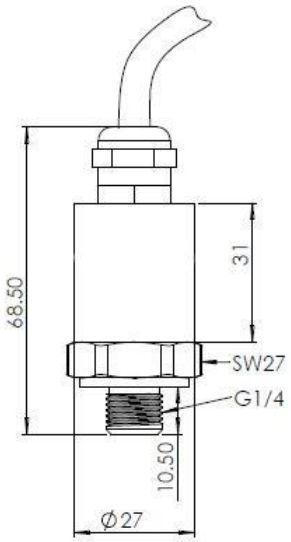
Outline dimension:



DIN43650 plug version

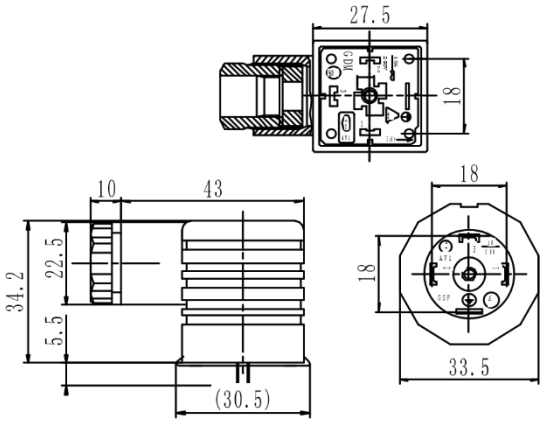


M12 plug version



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	Pressure Transmitter				
	Range	Pressure range:-0.1…0～0.01…100MPa(-1…0~0.1…1000bar)			
	[0～X]kPa or MPa	X：the actual measured pressure			
		Code	Output signal		
		E	4～20mADC		
		J	0～5VDC		
		V	0～10VDC		
		V1	1～5VDC		
		V2	0.4～4. 5VDC		
			Code	Construction material	
				Diaphragm	Pressure port	Housing
			22	SS 316L	SS304	SS304
			24	SS 316L	SS 316L	SS 316L
				Code	Others
				B_1	DIN43650 connector
				B_2	Cable exit
				B_3	M12 connector
				B_4	DIN9.4mm connector
				C_2	G1/4 male thread
				C_3	G1/2 male thread
				G	Gauge
				S	Sealed gauge
				A	Absolute

SPT21C	[0～1bar]	E	22	B_1C_2G	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;