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SPT21C1 Ceramic Pressure Transmitter

Features

- Reliable performance, easy application
- Short protection and reverse polarity protection
- Low cost
- Compact size



Introduction

SPT21C1 is ceramic 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 liquid or gas pressure.

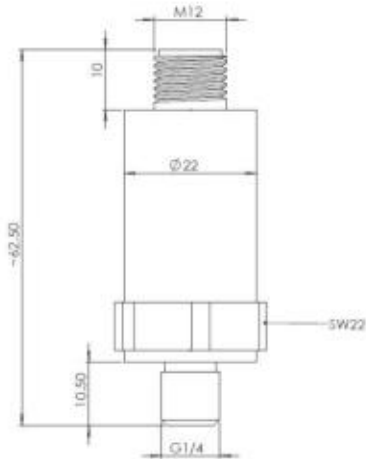
Specification

Item	Specification
Pressure range	-1...0~0.1...200bar
Over pressure	2 times FS
Pressure type	Gauge
Process connection	G1/4 male thread (customized)
Accuracy	±0.5%FS. ±1%FS
Long term stability	≤±0.3%FS/year
Offset thermal drift	±0.02%FS/°C
Application temp.	-30~80°C
Storage temp.	-40~125°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
Electrical connection	DIN43650 plug. M12 connector (customized)

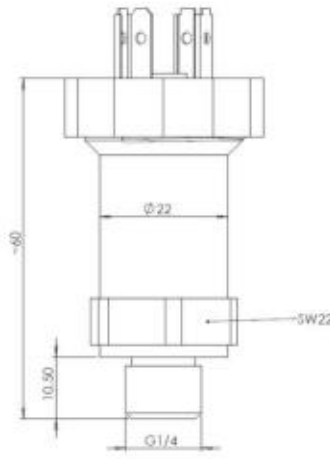
Construction material (Default version)

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

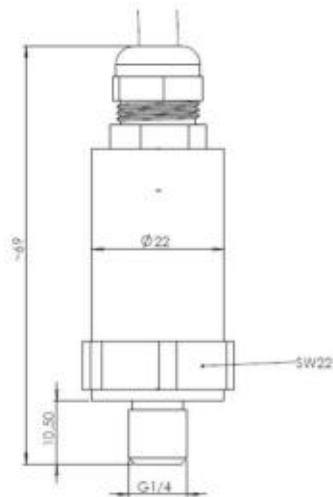
Outline dimension (Unit:mm)



M12 connector version

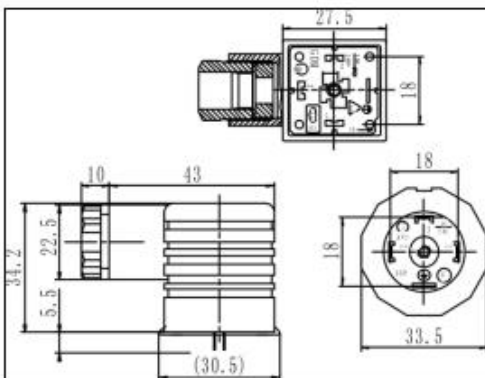


DIN43650 plug version



Cable version (IP68)

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

SPT21C1	Ceramic Pressure Transmitter			
	Range	-1...0 ~ 0.1...200bar		
	[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	Others
			B1	DIN43650 connector
			B2	Cable exit
			B3	M12 connector
			C2	G1/4 male thread
			C3	G1/2 male thread
			G	Gauge
			A	Absolute
SPT21C1	[0~1bar]	E	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.