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SPT21D Pressure Transmitter with Local Display

Features

- Reliable performance, easy application
- Short circuit protection and reverse polarity protection
- Gauge / Absolute / Sealed gauge (optional)
- Compact size
- LCD/LED display optional



Introduction

SPT21D is piezo-resistive pressure transmitter, using highly stable and reliable pressure sensor and special circuit board to convert pressure to current transmitter. This product is used to measure and control process pressure parameter in various industrial segments, such as, Water, Petroleum, Chemical, Electric power, etc.

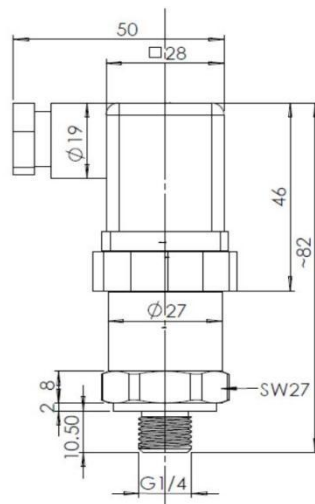
Specification

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	±0.1%FS. ±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	12~28VDC
Output signal	4~20mA. 0-5V. RS485. etc
Load resistance	≤ (U-12) /0.02Ω (2-wire)
Housing protection	IP65
Electrical connection	DIN43650 plug/M12 connector

Material

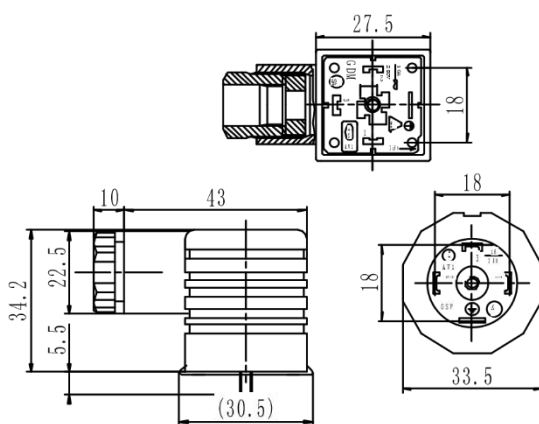
Housing	SS304
Pressure port:	SS304
Diaphragm	SS316L
Sealing gasket	Viton
Plug housing	Plastic
Cable	Φ7.5mm Polyethylene Special Cable

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	GND
Black	Null	+OUT

Ordering Code

SPT21D		Pressure Transmitter with local display									
	[0~X] bar	Range		-1...0~0.1...1000bar							
		[0~X] bar		X: the actual measured pressure							
		Code		Output signal							
		E		4~20mADC+LED Display							
		C		4~20mADC+LCD Display							
	22	22	Code	Construction material							
				Diaphragm		Pressure port		Housing			
			SS316L		SS304		SS304				
			SS316L		SS 316L		SS316L				
		24	Code	Others							
				DIN43650 connector							
			Cable exit								
			G1/4 male thread								
G1/2 male thread											
Gauge											
Sealed gauge											
Absolute											
SPT21D		[0~1bar]		E		22		B1C2G		the whole spec	

Note:

1. Please note that the part in contact with measured media should be compatible;
2. If any special requirement on function or specification, please contact our technical department.