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SPT22 Pressure Transmitter with LCD Display

Features

- Aluminum-alloy electronic housing; protection IP65
- Reversed signal polarity; moment overcurrent, overvoltage, interference protection
- Optional signal output
- Gauge, absolute and sealed gauge optional
- Offset and full scale adjustable
- LCD indicator optional
- Stainless steel material contacting with the media; flush diaphragm and tantalum diaphragm optional



Introduction

The product uses piezoresistive OEM pressure sensor as sensing element, which is accurate tested and laser trimmed to compensated zero and sensitivity in wider temperature range. The amplifier circuit transforms sensor signal into standard output signal. Through long-term aging and stability testing, the whole product's performance is stable and reliable. The product is suitable for rugged environment which needs zero elevation and range adjustment, could be widely used for process control and pressure measure of petroleum, chemical industry, metallurgy, power station, textile industry, building material, hydrology and environment control, etc.

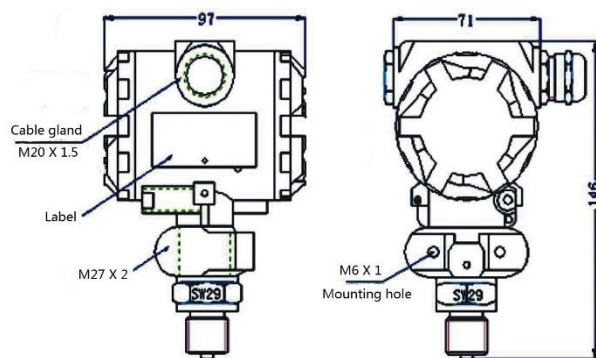
Specification

Item	Specifications
Pressure range	-1...0~0.1...100bar
Over pressure	1.5 times FS or 1100bar (min. value is valid)
Pressure type	Gauge/absolute/sealed gauge optional
Process connection	G1/2 male thread (customized)
Accuracy	±0.1%FS. ±0.25%FS. ±0.5%FS
Indicator	4 digit LCD
Display range	-1999~9999
Compensated temp.	0~50℃
Environment temp.	-20~70℃
Power supply	18~36VDC
Output signal	4~20mA DC (2-wire) 0/1~5/10VDC(3-wire)
Housing protection	IP65
Electrical connection	Cable gland

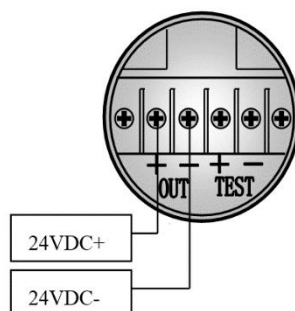
Construction material (Default version)

Housing	Aluminum-alloy
Pressure port	SS304 or SS316L optional
Diaphragm	SS316L
Sealing gasket	Viton
Cable gland	Plastic

Outline dimension(Unit:mm)



Electrical Connection



Order Information

SPT22	Pressure Transmitter with LCD Display				
	Range	-1...0~0.1...100bar			
	[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		
		H	4-20mA+HART		
		Code	Construction material		
			Diaphragm	Pressure port	Housing
		22	SS316L	SS304	Aluminum
		24	SS316L	SS316L	Aluminum
		Code	Others		
		C2	G1/4 male thread		
		C3	G1/2 male thread		
		PC3	G1/2 flush membrane		
		PG1	G1 flush membrane		
		G	Gauge		
		S	Sealed gauge		
		A	Absolute		
		D	With 4 digit LCD displayer		
		1	±0.1%FS		
		2	±0.2%FS		
		3	±0.5%FS		
SPT22	[0~1bar]	E	22	C2GD1	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.