

PT10SR-2893 Pressure Transmitter

Specification

Pressure range	20kPa ~ 100kPa...35MPa
Overpressure	1.5 times FS or 35MPa (min. value is valid)
Pressure type	gauge/ absolute / sealed gauge
Accuracy	±0.5%FS
Long-term stability	±0.3%FS/year(max.)
Zero thermal drift	±0.1%FS/°C (≤100kPa), ±0.05%FS/°C (> 100kPa)
Span thermal drift	±0.1%FS/°C (≤100kPa), ±0.05%FS/°C (> 100kPa)
Compensation temp.	0°C ~60°C
Application temp.	-10°C ~80°C
Storage temp.	-20°C ~100°C
Power supply	11V~28VDC
Output signal	4mA~20mADC (2-wire), 0.5V~4.5VDC (3-wire)
Load	≤(U-11) / 0.02Ω (2-wire), ≥10k (3-wire)
Housing protection	IP68
Electrical connection	cable (1.5m)

Features

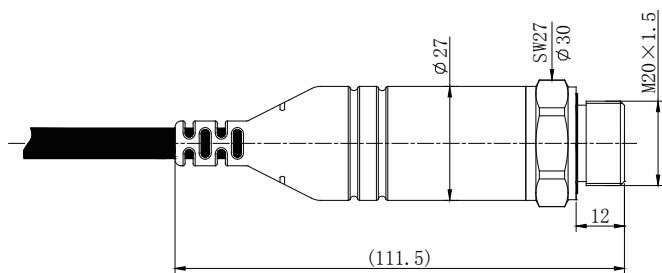
- Reliable performance, easy application
- Short protection and reverse polarity protection
- Measure gauge, absolute and sealed gauge

Introduction

PT10SR-2893 pressure transmitter is an economical pressure transmitter developed by our company. A high stable and reliable piezo-resistive pressure sensor is mounted with the high-performance signal processing PCB in low pressure injection molding housing. Its performance is stable and reliable. It is widely applied for liquid pressure measurement and control in the industries of petroleum, chemi-industry, electric power, hydrology and geology, etc.

Construction

- Pressure connection: stainless steel 304
- Sensor housing: stainless steel 316L
- Diaphragm: stainless steel 316L
- Sealed-ring: Viton
- Housing: PA
- Cable: Φ7.5mm Polyurethane Special Breather Cable



Electrical Connection

Wire color	2-wire	3-wire
Red	+V	+V
White	Null	+OUT
Black	0V/+OUT	GND

Order Guide

PT10SR-2893		Pressure Transmitter			
	Range	Pressure range: 20kPa~100kPa...35MPa			
	[0~X] kPa or MPa	X: the actual measured pressure			
		Code	Output signal		
		E	4mA~20mA DC		
		K	0.5V~4.5V DC		
		Code	Others		
		B2	Cable connection(default cable length: 1.5m)		
		C1	M20×1.5 male, face type seal		
		C2	G1/4 male		
		C3	G1/2 male, face type sale		
		C5	M20×1.5 male, waterline seal		
		C25	G1/2 male, waterline seal		
		G	Gauge		
		A	Absolute		
		S	Sealed gauge		
PT10SR-2893	[0~100kPa]	E	B2C5G	the whole spec	

Notes

1. Please pay attention that the media should be compatible with the contacted parts;
2. If calibration certificate needed or for any special requirements, please contact with us freely and indicated in purchase order.