

Technical Data Sheet

BPT10

Pressure Transmitter



- Pressure type: gauge/ absolute / sealed gauge
- Process connection: G1/2 male / G1/4 male/ M20x1.5 male
- Non-linearity: 0.25% FS
- Temperature error:
 Typical: $\leq \pm 0.5\%$ FS of span (at 0 ~ 70°C)
 Maximum: $\leq \pm 1\%$ FS of span (at 0 ~ 70°C)
 Maximum: $\leq \pm 2\%$ FS of span (at -20 ~ 85°C)
- Long term stability: max. $\pm 0.3\%$ FS/year
- Application temp: -20 ~ 85°C
- Storage temp: -40 ~ 100°C
- Power supply: 8 ~ 28VDC
- Output signal: 4 ~ 20mADC, 0.5 ~ 4.5VDC
- Load: $\leq (U-8) / 0.02\Omega$ (2-wire) , $\geq 10k$ (3-wire)
- Housing protection: IP65

Features

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

Introduction

T10 is high reliable pressure transmitter produced by high stable piezo-resistive pressure sensor and special amplifier circuit. The transmitter is widely used for various pressure measurement application. The media should be compatible with stainless steel and viton.

Specification

- Pressure range:
-0.1...0 ~ 0.01...60MPa
- Overpressure: 1.5 times FS

Construction and Outline Dimension

Construction material

- Housing: stainless steel
- Sensor housing: stainless steel
- Diaphragm: stainless steel 316L
- Sensor O-ring: Viton
- Plug housing: plastic

Electric Connection

Pin	2-wire	3-wire
1	+V	+V
2	+OUT	GND
3	Null	+OUT

Order Guide

BPT10		Pressure Transmitter		
	Range	Pressure range: -0.1...0 ~ 0.01...60MPa		
	[0 ~ X]kPa or MPa	X : the actual measured pressure		
	Code	Output signal		
	E	4 ~ 20mADC		
	K	0.5 ~ 4.5VDC		
		Code	Others	
		C ₂	G1/4	
		C ₃	G1/2	
		C ₅	M20×1.5	
		C ₆	NPT1/4	
		G	Gauge	
		S	Sealed gauge	
		A	Absolute	
BPT10	[0 ~ 100]kPa	E	C ₂ G	the whole spec

Notes

1. Please pay attention that the media should be compatible with the contacting material;
2. If the user has special requirement, please contact our company.