

PT-504A Temperature and pressure integrated pressure transmitter

Product Overview:

PT-504A is a temperature and pressure integrated pressure transmitter developed by our company according to market needs. This product is widely used in process control and measurement in industries such as petroleum, chemical industry, metallurgy, aviation, aerospace, shipbuilding, medical equipment, vehicles, refrigerators, compressors, and water pumps. It integrates temperature and pressure, and has good electrical performance and long-term stability.

Features:

Temperature and pressure integration, on-site installation is simpler and more convenient

Thermal resistor surface mounted ceramic sensor, faster heat transfer

Laser welding seal, waterproof up to IP65

Adopt highly integrated bridge pressure sensor signal conditioning dedicated advanced chip, high precision and high stability

Reverse polarity protection, reliable performance, safe and convenient to use

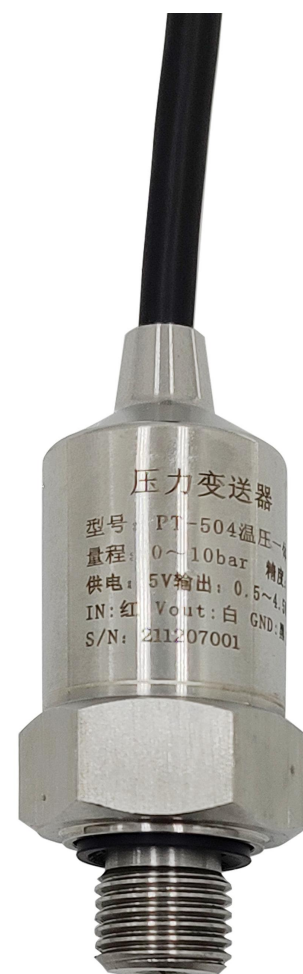
Warming up the entire temperature range. good electrical performance and long-term stability

Process connection and other special customization

1 year warranty

Technical Parameters:

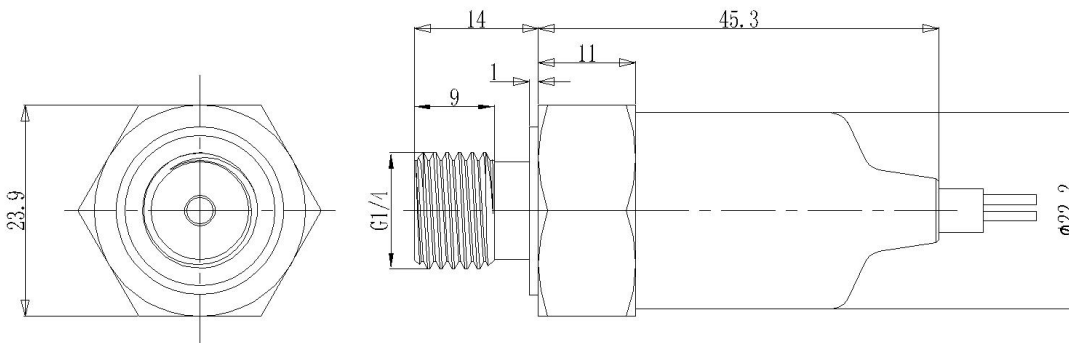
Range	0~1BAR...50BAR			
Overload pressure	200%FS			
Pressure Type	Gauge pressure			
Process connection	G1/4, R1/4, etc., customizable			
Comprehensive accuracy	±0.5%FS			
Temperature compensation range	-10~70°C			
Long-term stability	±0.3%FS/year			
Operating temperature	-40~85°C			
Storage temperature	-40~125°C			
Power supply (DC)	11-36V	5V/ 11-36V	2.7- 5.5V	≅0.33mA
Output signal	4-20mA	0-5V	IIC	NTC 10K 3950
Load resistance	50 (U-10) Ω [4-20mA], greater than 10KΩ [V]			
Electrical Connections	Cable (optional terminal)			
Protection level	IP65			



Material	Housing: stainless steel 304; sensor: ceramic; cable: PVC; waterproof ring: nitrile
Medium adaptability	Various fluids that are non-corrosive to butyl cyanide
vibration	10gRMS, (20~2000)Hz
Shock	100g, 11ms
insulation	More than 100MΩ @250VDC
Response time	Less than 1ms (@ 90% FS)
CE certification	EMC: IEC61326-1 Class B Electrostatic discharge immunity: IEC61000-4-2 Electromagnetic field immunity: IEC61000-4-3 EFT immunity: IEC61000-4-4 Surge immunity: IEC61000-4-5

Dimensions (in mm):

Process connections can be customized



Electrical connection:

Output signal	Current	Voltage
1/Red	Vin	Vin
2/Black	Iout	Gnd & thermal resistor 1
3/White	Thermal resistor 1	Vout
5/Blue	Thermal resistor 2	Thermal resistor 2