

PT-301 Pressure Transmitter

Product Description:

The PT-301 pressure transmitter uses a 96% alumina sensor core. Through a highly reliable amplification circuit and precise digital temperature compensation and non-linear correction technology, it converts the pressure of the measured medium into a 4~20mA, 0~5VDC analog Signal. Because its structure can withstand great destructive pressure, it is extremely safe and is the preferred ceramic pressure transmitter for use in demanding workplaces. It is widely used in automobiles, food, medicine, industrial automation, water pumps, petroleum, chemical industry, Pneumatic equipment, hydraulic equipment, air conditioners, air compressors and other fields.

Features:

Compact and easy to install, reverse polarity protection, reliable performance, safe and convenient to use
 Ceramic sensor, high cost performance
 High sensitivity, high precision, high stability
 Full temperature zone temperature compensation, good electrical performance and long-term stability
 Warranty: One year!

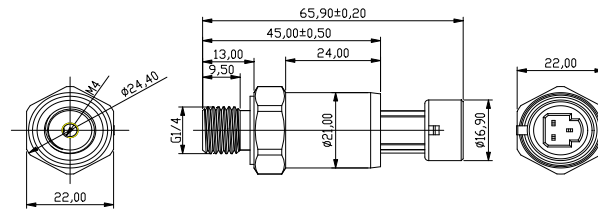
Technical Parameters:

Pressure range	Gauge pressure 0~1bar...50bar		
Overload pressure	200%FS		
Accuracy	±0.5%FS		
Temperature compensation range	-40~85°C		
Temperature Drift	±0.03%/°C		
Long term stability	±0.3%FS/year		
Working Temperature	-40~85°C		
Storage Temperature	-40~125°C		
Output Signal	absolute 0-5V	Proportion0-5V	4-20mA
Power Supply (V)	6-36 or 3.0-5.5	3.0-5.5	11-36
Current consumption (mA)	2.5 (TYP)	2.5 (TYP)	-



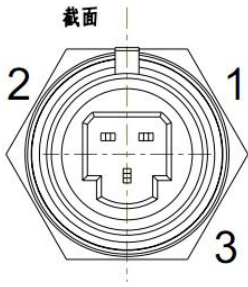
Load Resistance (Ω)	>10K	>10K	≤50 (U-11)
Electrical connections	Wire/terminal		
Ingress Protection	IP65		
Process connection	NPT 1/8、G1/4 etc,can be customized		
Material	SS304、Alumina、NBR (Fluorine rubber and other optional)		
Vibration	10gRMS, (20~2000)Hz		
Shock	100g, 11ms		
Insulation	Greater than 100MΩ @250VDC		
Start Time	80ms		
Response time	Less than 1ms (@ 90%FS)		
CE Approval	EMC: IEC61326-1 B type Electrostatic discharge immunity: IEC61000-4-2 Electromagnetic field immunity: IEC61000-4-3 EFT immunity: IEC61000-4-4 Surge immunity: IEC61000-4-5		

Dimensions (unit mm) :



Electrical connections: PARK plug

plug	Wire	Voltage output	Current output
1	Red	Power supply	Power supply



		positive VCC	positive VCC
2	Black	Negative pole of power supply GND	Current output Iout
3	White	Output signal Vout	NC