1. Description

TXP ceramic pressure transmitter is made integrated structure by using high quality thick-film ceramic sensors and special amplified circuits.

The output of TXP is configured to 4~20mA current loop, or 0~5Vdc, or 0~10Vdc, or 1~5Vdc voltage signals.

The pressure diaphragm of this transmitter is made from ceramic material, while its wetted part is made from 316 stainless steel. Because of the thermal stability of ceramic and its thick-film resistance, the transmitter can be operated in a higher temperature range; at the same time, this also makes the zero & sensitivity thermal shifts over the whole operating temperature range of the transmitter is very small.

2.Calibration Data

Specifications	**Unit**	**Results**
Output	mA	4~20
Accuracy	%FS	0.5
Insulation Resistance	MΩ@50Vdc	100
Temp. Coefficient of ZERO	%FS/10℃	0.3
Temp. Coefficient of SPAN	%FS/10℃	0.3
Compensated Temp. Range	℃	0~70
Operating Temp. Range	℃	-30~95
Power Supply	Vdc	9~32
Long-Term Stability	%FS/Year	<0.2
Overload Pressure	%FS	150
Process connection	G1/4	

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3. Attention matters

1. Please refer to the wiring drawing to connect the wires correctly. For some electric circuits, if

the wires connect contrarily, the transmitter will do not have signal because of using protection module in the transmitters; It is not allowed to connect power source contrarily for some special circuit board. The transmitter will work once it is powered. Its performance will be more stable if preheating 30 minutes before working.

2. To improve its anti-jamming ability, please connect the shielded wire to the shielded wire of the measurement & control instruments, or connect to Ground.

3. Except the anti-corrosive transmitters, the transmitter should be used in such working conditions that do not corrode “O” Ring, ceramic and stainless steel material.

4. The electrical end of the transmitters cannot touch electrical conductive, corrosive liquid or gas;

5. The peak pressure of the measured system cannot surpass rated overload pressure of transmitters. The damage to the transmitters because of surpassing overload pressure will not be included in the maintenance scope.

6. It is prohibited to put any sharp & hard things into the pressure hole. The transmitter’s ceramic diaphragm can not be collided by hands or any other things. The damage to the diaphragm caused by person is not included in the maintenance scope.

7. Other matters that are not mentioned here, please contact us in time.

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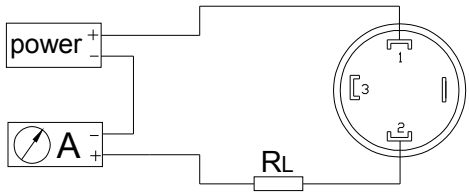
4. Electrical Connection

When calibrating the transmitters, the accuracy of power source, digital ampere meter, voltmeter and piston dead weight tester should be adjusted to corresponding accuracy.

The electrical connection of 2-wire, 4~20mA output transmitter：



Power+: “1”; Signal+: “2”

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