YS2 Standart Pressure Transmitter

YS-2

Summary

Use Ceramic Piezoresistance as the sensitive element,cheap,but high precision and reliability.(Standard type YS2 (YS–2) Pressure transmitler) The product has regular connection ,compact design,disturbing–proof,light and easy to install,widely is used in industrial field and experiment chamber,especially suitable for the measurement of compatible gas and liquid.

- Use sensor of Ceramic Piezoresistance
- Measurement of Gauge pressure and negative pressure.
- Range: –100kPa~40MPa
- Output 4~20mA or 1~5V、0~5V、0~10V
- Simple structure ,easy to install
- Pretty appearance and compact design.

Working Principle

Corrosion–proof ceramic pressure transmitter has no transmission of liquid. When pressure is made on the face of ceramic diaphragm, litter distortion is formed.Thickfilm resistance is printed on the reverse of ceramic, con–necting a wheatstone bridge. Resulting from effect of Ceramic Piezoresistance, one linear voltage signal which is direct ratio with pressure and encouraged voltage is formed. According to different ranges, standard signal is 2.0/3.0/3.3mV, which is compatible with yingbian sensor. It has high temperature stability and time stability by laser marking, along with temperature 0~70℃, transforming media pressure to 4~20mA.DC、1 ~ 5V.DC electric signal by magnifying circuit.

How to Order

Please specify the following properties when the pressure transmitter ordering.

- Model number,
- Range,
- Signal output
- Accuracy
- Connection thread,
- (If necessary; special scale,..)

For example: *YS-2-(0/10 Bar)-4/20 mA-0.4-R1/2*

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Specifications

Media	Any liquid, gas and steam without compatible with ceramic and 316L. (chemical seal products can resolve the corruption problem if needed by the customers)
Range	–1/0bar···0/400bar,
Accuracy	± 0.25% or ± 0.5%
Stability/year	≤0.2% Full scale
Temperature	(Working Temperature)：–20~80℃
	(Medium Temperature)：–30~80℃
	(Stock Temperature)：–30~85℃
	(Temperature Compensation)：0~70℃
	(Temperature Drift)： ± 0.02%FS/℃
Relative humidity	0%~95%
Body	SUS304 (or other special options)
Wet part	SUS304 (or SUS316 and SUS316L for option)
Element	Ceramic Sensor/Diffuse Silicone Sensor
Over pressure	Ceramic Sensor(1.5 times) / Diffuse Silicone Sensor(2 times)
Gasket	Fluorin rubber
Zero moving	± 20% of Range output
Range adjust	± 20% of Range output
Supply effect	less than 0.01%/V of range output
Protect degree	IP65
Response time	≤0.1mS
Supply	17–30VDC
Load resistance	≤(U–17)/0.02Ω
Output signal	4~20mA (two–line),1~5V、0~5V、0~10V (three–line)
Electric Connection	4–pin，C–plug ，as DIN43650 standard
Electric protection	Protected against polarity crossing, short circuit protection
Weight	≈0.2Kg
Process Connection	Standard M20 × 1.5 male thread (or other connections noted)

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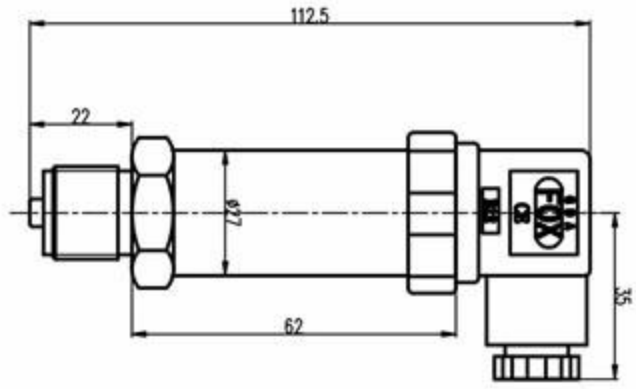
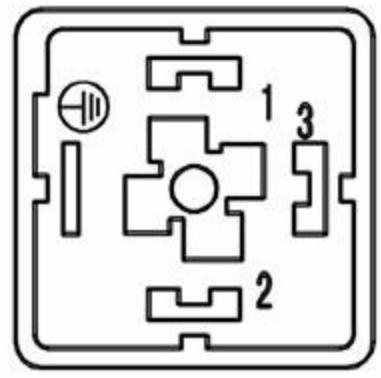
Dimensions



Application

- Soot management
- Air condition and cleanse equipment.
- Measurement of air and wind pressure
- Wind pressure gauge and pneumatic gauge
- Medicine gauge and leakage equipment.
- Control of liquid pressure and protection of Environment.
- Control of boiler steam.



1.Power Supply + (positive)

2.Current Output + (positive)

3.NC

⏚ .Ground Wires

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