

YS2A(YS-2)

YS-2 standard pressure transmitter

General Use Ceramic Piezoresistance as the sensitive element,cheap ,but high precision and reliability.(Standard type YS2A (YS-2) Pressure transmitter)
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.



CE N° 05262201

Feature

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

Principle Corrosion-proof ceramic pressure transmitter has no transmission of liquid. When pressure is made on the face of ceramic diaphragm, it is distorted. Thick-film resistance is printed on the reverse of ceramic, connecting 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/V, 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.

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.

Technic parameter

Range : -100KPa~40MPa

Media: gas and liquid

Accuracy : class 0.25 or 0.5 optional

Working voltage: 24V.DC (12~30VDC)

Output signal : 4~20mA(two-line)

1~5V(three-line)

Media temperature: 20~80℃

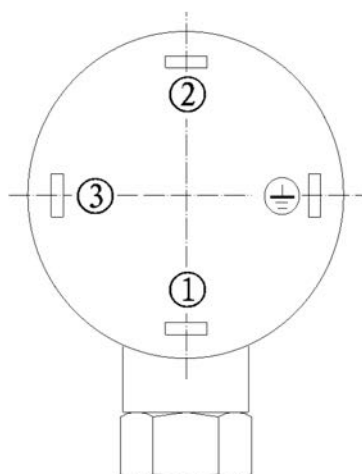
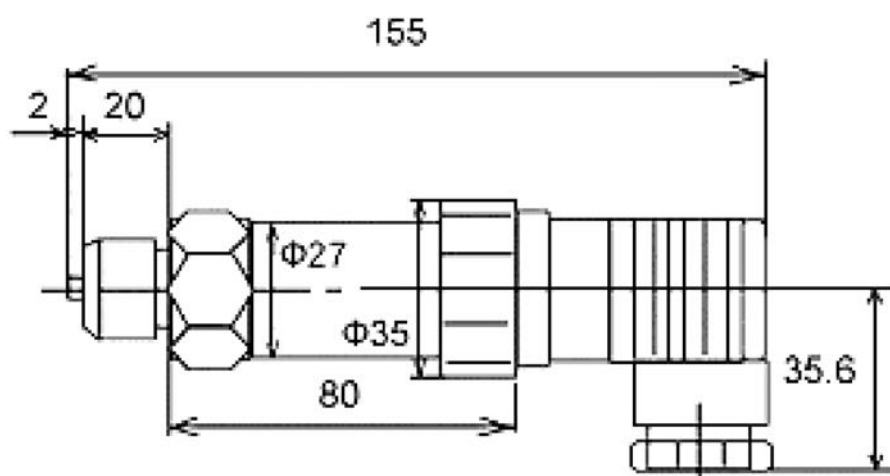
Environment temperature: -20~70℃

Storage temperature: -30~85℃

Impact of temperature: $TK < \pm 0.02\%FS/K$

Pressure connection: M20X1.5 male thread

Down-lead : Hirschminn connector (DIN43650)



Node 1: connect anode (VS +)

Node 2: connect anthode (VS -)

Node 3: empty

Node 4: connect earth (case)

YS2A

HOW TO ORDER

	Code	Introduction					
Basic type	YS2A	= standard pressure transmitter					
Signal output	420	= 24V, 4-20mA					
	010	= 24V, 0-10V					
	015	= 24V, 1-5V					
	005	= 24V, 0-5V					
Accuracy	025	= 0.25 ± 0.25%					
	050	= 0.5 ± 0.5%					
Ranges		-100kPa-0-40MPa between-100KPa and o-40MPa See range table					
Connection	M20	= M20 X 1.5	R12	= ZG 1/2 "	Z14	= NPT 1/4 "	
	G12	= G1/2 "	R14	= ZG 1/4 "	Z12	= NPT 1/2 "	