



Pressure

- Pressure transmitter
- Digital display pressure transmitter
- High temperature pressure transmitter
- Digital pressure gauge
- Monocrystalline silicon pressure transmitter



Pressure transmitter performance parameter

Performance parameters	 Pressure transmitter	 Digital display pressure transmitter	 High temperature pressure transmitter
Model	P300	PX300	P300G
Power supply	8~32VDC	12~36VDC	24VDC
Output signal	4~20mA, 1~5V, 0~10V 0~20mA, 0~5V, RS485, etc.	4~20mA	4~20mA
Pressure range	-0.1~60MPa	-0.1~60MPa	-0.1~60MPa
Temperature compensation	-10~70°C	-10~70°C	-10~70°C
Storage temperature	-40~85°C	-40~125°C	-40~85°C
Medium temperature	-20~85°C	-20~85°C	0~200°C
Ingress protection	IP65	IP65	IP65
Pressure type	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure
Accuracy	0.25%, 0.3%, 0.5% optional	0.3%, 0.5% optional	0.3%, 0.5% optional
Zero temperature drift	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
Sensitivity temperature drift	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
Overloading pressure	150%F.S	200%F.S	200%F.S
Process connections	Threaded / sanitary / flange	Threaded / sanitary / flange	Threaded / sanitary / flange
Measuring medium	Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.

Pressure transmitter performance parameter

 Digital pressure gauge	 Pressure transmitter	 Monocrystalline silicon pressure transmitter	 Monocrystalline silicon differential pressure transmitter
Y290	PX400	P3000	2051
3V battery powered	9~32V	24VDC	24VDC
-	4~20mA, 1~5V, 0~10V 0~20mA, 0~5V, RS485, etc.	4~20mA, 1~5V, 0~20mA, 0~5V, etc.	4~20mA, 1~5V, 0~20mA, 0~5V, etc.
-0.1~60MPa	-0.1~60MPa	-0.1~60MPa	-100KPa~3MPa
-10~70°C	-10~70°C	-10~70°C	-10~70°C
-40~125°C	-40~85°C	-50~85°C	-50~85°C
-20~85°C	-20~85°C	-40~100°C	-40~100°C
IP65	IP65	IP67	IP67
Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure	Differential pressure
±0.5%	0.2% / 0.25% / 0.5% optional	0.075%F.S, ±0.1%F.S	0.075%F.S
±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
±0.03%V/°C	±0.03%F.S/°C	±0.004%F.S/°C	±0.004%F.S/°C
< 40MPa 150%FS ≥ 40MPa 120%FS	0.035~10MPa 150%FS 10~60MPa 125%FS	200%F.S	200%F.S
Threaded	Threaded / sanitary / flange	Threaded	Threaded
Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.

P300 Pressure transmitter

INTRODUCTION

P300 adopts diffused silicon pressure sensor as the sensitive element, and the built-in processing circuit converts the millivolt signal of the sensor into standard voltage, current and frequency signal output, which can be directly connected with the computer, controller, and display instruments, etc. Remote signal transmission can be carried out. Product installation is convenient, with extremely high seismic and impact resistance.

FEATURES

- 1 Over-voltage and over-current protection circuit
- 2 Strong anti-overload and anti-shock resistance and anti-interference ability
- 3 Wide practicability, high stability and long service life
- 4 High protection level to meet a wide range of needs
- 5 The laser trimming resistance to give a temperature compensation, and make it be used in a wide range of temperature
- 6 Surge voltage prevention, reverse polarity protection



Parameter

P300 Pressure transmitter

Pressure range	-0.1~60MPa	Output signal	4~20mA, 1~5V, 0~10mA, 0~20mA, 0~5V, RS485
Accuracy	0.25% 0.3% 0.5%	Frequency	5kHz~650kHz
Pressure type	Gauge pressure Absolute pressure Seal pressure	Temperature compensation	-10~70°C
Medium temperature	-20~85°C	Storage temperature	-40~85°C
Pressure type	Gauge pressure, Absolute pressure, Seal pressure	Ingress protection	IP65