



## Pressure

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

# Pressure

Pressure transmitter performance parameter

Performance parameters	 Pressure transmitter	 Digital display pressure transmitter	 High temperature pressure transmitter
<b>Model</b>	SUP-P300	SUP-PX300	SUP-P300G
<b>Power supply</b>	8~32VDC	12~36VDC	24VDC
<b>Output signal</b>	4~20mA, 1~5V, 0~10V 0~20mA, 0~5V, RS485, etc.	4~20mA	4~20mA
<b>Pressure range</b>	-0.1~60MPa	-0.1~60MPa	-0.1~60MPa
<b>Temperature compensation</b>	-10~70°C	-10~70°C	-10~70°C
<b>Storage temperature</b>	-40~85°C	-40~125°C	-40~85°C
<b>Medium temperature</b>	-20~85°C	-20~85°C	0~200°C
<b>Ingress protection</b>	IP65	IP65	IP65
<b>Pressure type</b>	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure	Gauge pressure, absolute pressure, sealed pressure
<b>Accuracy</b>	0.25%, 0.3%, 0.5% optional	0.3%, 0.5% optional	0.3%, 0.5% optional
<b>Zero temperature drift</b>	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
<b>Sensitivity temperature drift</b>	±0.03%F.S/°C	±0.03%F.S/°C	±0.03%F.S/°C
<b>Overloading pressure</b>	150%F.S	200%F.S	200%F.S
<b>Process connections</b>	Thread / sanitary / flange	Thread / sanitary / flange	Thread / sanitary / flange
<b>Measuring medium</b>	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
SUP-Y290	PM356	PM556	PD556
3V battery powered	12~30V/9~30V	24V	(15~36)V
-	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	-0.6kPa~60MPa	0kPa~10MPa
-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	-40~120°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%F.S ≥ 40MPa 120%F.S	0.035~10MPa 150%F.S 10~60MPa 125%F.S	200%F.S	200%F.S
Thread	Thread / sanitary / flange	Thread	Thread
Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.	Oil, water, gas, etc.

## SUP-P300 Pressure transmitter

### INTRODUCTION

SUP-P300 Pressure transmitter 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

SUP-P300 Pressure transmitter

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

## SUP-Y290 Digital pressure gauge

### INTRODUCTION

SUP-Y290 Digital pressure gauge is a high accuracy intelligent digital pressure gauge. It has high accuracy pressure sensor, which can display the pressure accurately and real-time, and has the characteristics of high accuracy and good long-term stability. The digital pressure gauge is equipped with a large size LCD, with reset, backlight, can be easily operated and installed, unit switching, low voltage alarm and other functions, can easily operate and install.

### FEATURES

- 1 High quality 304 SS gauge with resistance and durability
- 2 With a variety of measuring units, one key switch for more economical use
- 3 With temperature compensation, small temperature coefficient for more accurate measurement
- 4 With four-digit LCD display for accurate and intuitive readin
- 5 With maximum 1.5 times range overload and more peak recording function for more reliable use



### Parameter

SUP-Y290 Digital pressure gauge

<b>Accuracy</b>	±0.5 %	<b>Peak record</b>	Yes (partial specification products)
<b>Pressure range</b>	-0.1~60MPa	<b>Sampling frequency</b>	3 times/s
<b>Display screen</b>	Four digits LCD display screen	<b>Backlight color</b>	White
<b>Long-term stability</b>	±0.2%F.S/year	<b>Overload capacity</b>	(0.035~10) MPa: 150%FS (10~60) MPa: 125%FS
<b>Electro-magnetism compatibility</b>	EMI resistant design, in line with EN61326	<b>Data memory</b>	Permanent EEPROM