

# SUP-P300 Pressure Transmitter



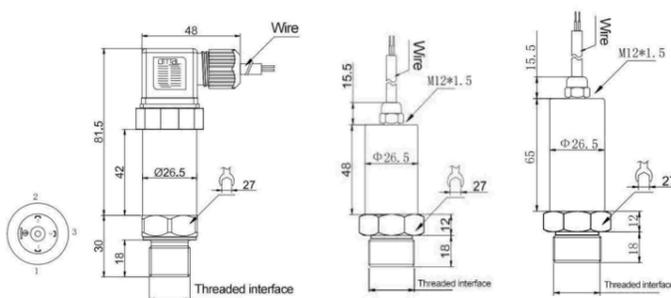
## Overview

SUP-P300 Series pressure transmitter is kind of device based on pressure layer, which inside expert integrate circuit can transform sensor milli-volt signal to standard far distance transmission current signal, and it can be directly joined with computer joint clip, control instrument , aptitude instrument or PLC etc. conveniently. The series' product is applied extensively in the professions, such as the industry process control, petroleum, chemical engineering and metallurgy etc. Carry the distance delivers and can adopt electric current exportation method. Pressure Transmitter are devices that convert the mechanical force of applied pressure into electrical energy. This electrical energy becomes a signal output that is linear and proportional to the applied pressure.

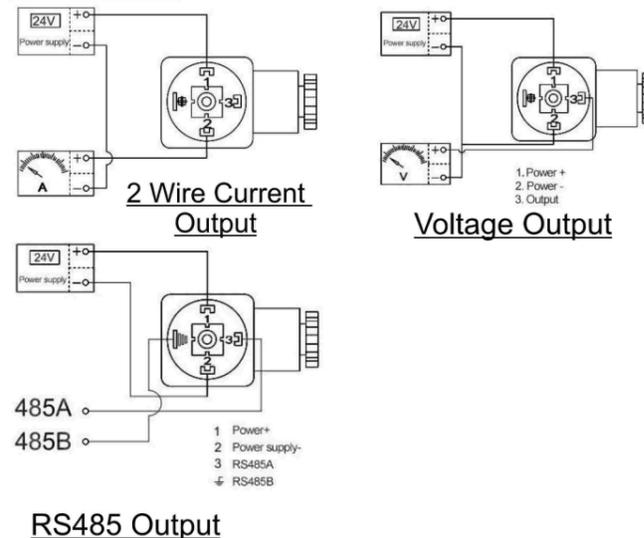
## Features

- Compact structure and easy installation
- Advanced Diaphragm/Oil Filled Isolation Technology
- High stability, high reliability
- Anti-vibration, anti-radio frequency interference
- 316L stainless steel isolation diaphragm structure
- High precision, all stainless steel structure.
- Micro amplifier, voltage, current, RS485 signal output
- Wide range with multiple pressure measurement
- Vibration and shock resistance.

## Dimensions



## Wiring



## Parameters

OutPut And Power Supply	(4~20)mA Output (10~32)V (0~10)V Output (12~32)V (0~5)V, (1~5)V, RS485 Output (8~23)V (4~20)mA Output With LCD 4-Digit display meter (17~32)V
Accuracy	0.2%F.S, 0.25%F.S, 0.5%F.S(Optional)
Measuring Range	-0.1MPa...0~10kPa...60MPa
Pressure Type	Gauge pressure, Absolute pressure, Sealing pressure
Temperature compensation	-10~70°C
Operating temperature	-20~85°C
Medium temperature	-20~85°C
Storage temperature	-40~85°C
Ingress Protection	IP65 , ( option:IP68 )
Overloading pressure	0.035~10MPa(150%FS), 10~60MPa(125%FS)
Zero output temperature	±0.3%FS/10°C
Full-Scale output	±0.3%FS/10°C
Long-term stability:	±0.2%FS/year
Response time	Current and voltage output type pressure≤10ms (up to 90%FS);
Insulation resistance	20MΩ/250VDC
Dielectric strength	50Hz, 500VAC
Load Resistance	4~20mA output: $\leq(U-10V)/0.02A$ , U is the power supply voltage