



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

Pressure Transmitter

SUP-P400

Supmea[®]

Committed to process automation solutions

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Datasheet

Pressure Transmitter SUP-P400

SUP-P400 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.

Applications

- Industrial process control
- Petroleum industry
- Chemical industry
- Paper industry
- Metallurgy

Features

- The physical volume small, the weight is light.
- Work in the causticity environment.
- Ingress protection up to IP65.
- The whole stainless steel seals completely the structure,have the very high anti- to flap to pound at the function with anti.

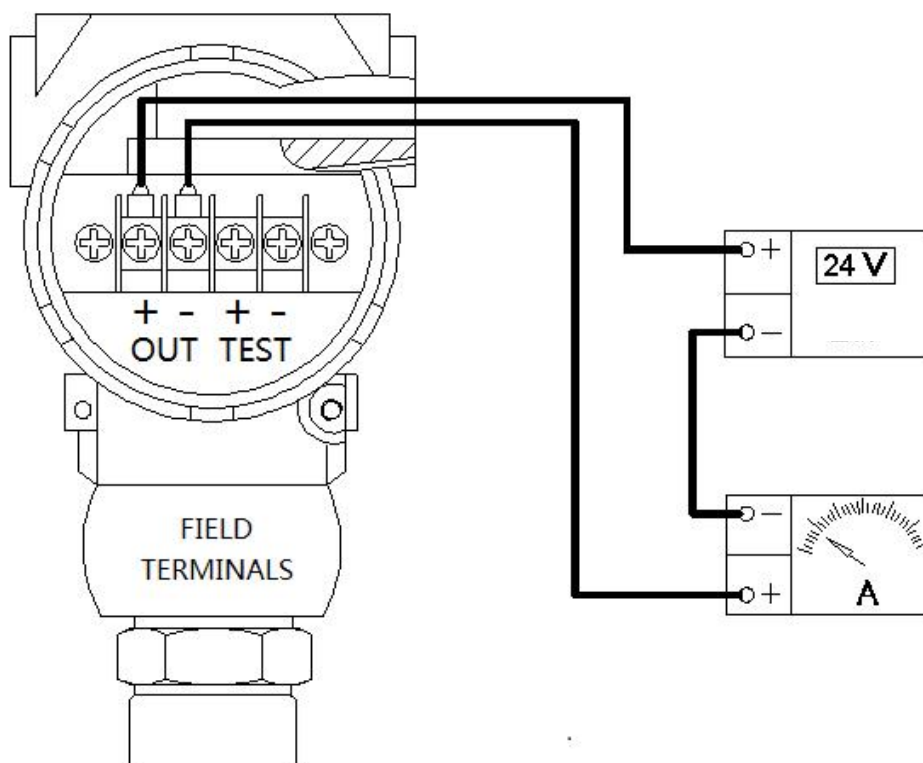


Pressure Transmitter

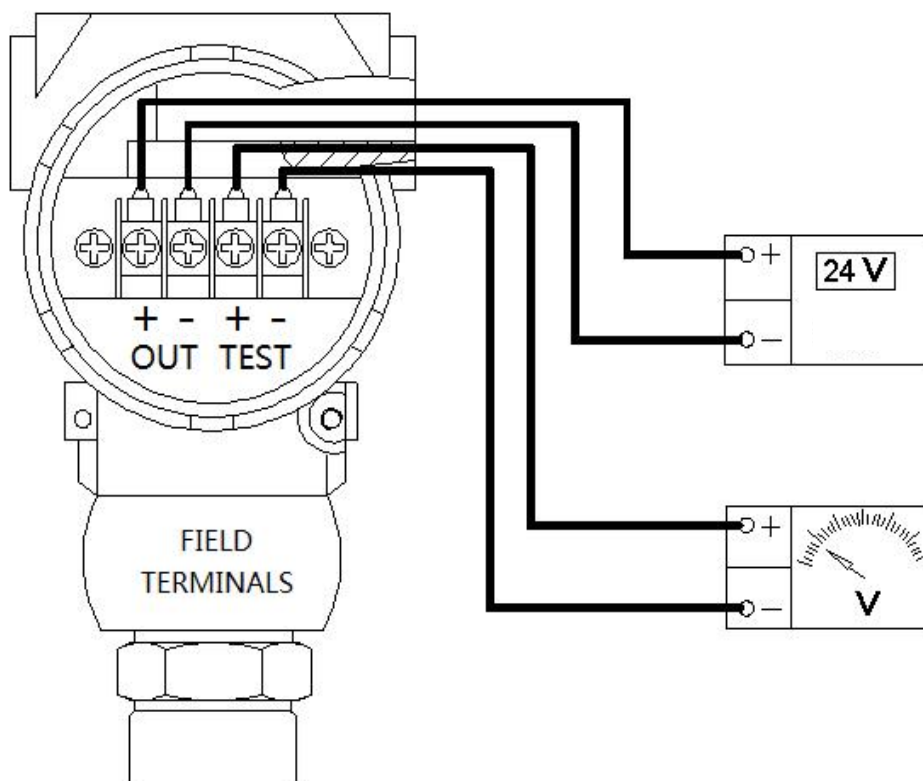
Parameters	
Power Supply	12V~32V (4~20) mA , with display)
	10V~32V (4~20) mA+RS485, with display)
	9V~32V (4~20) mA, without display)
Output	(4~20)mA;(1~5)V;(0~10)V;(0~5)V;RS485
Accuracy	0.2%、0.25%、0.5%
Measurement range	-0.1...0...60Mpa
Pressure type	Gauge pressure, adiabatic pressure and sealed pressure
Compensation temperature	-10℃~70℃
Working temperature	-20℃~85℃
Medium temperature	-20℃~85℃
Storage temperature	-40℃~85℃
Zero-point temperature drift	±0.3%FS/10℃
Sensitivity temperature drift	±0.3%FS/10℃
Overload pressure	(0.035~10)MPa (150%FS) ; (10~60)MPa (125%FS)
Long-term stability	±0.2%FS/year
Response time	RS485 output≤100ms (up to 90%FS)
	Current and Voltage output≤10ms (up to 90%FS)
Insulation	20MΩ/250VDC
Ingress protection	IP65
Load Resistance	(U-9V)/0.02A

Wiring

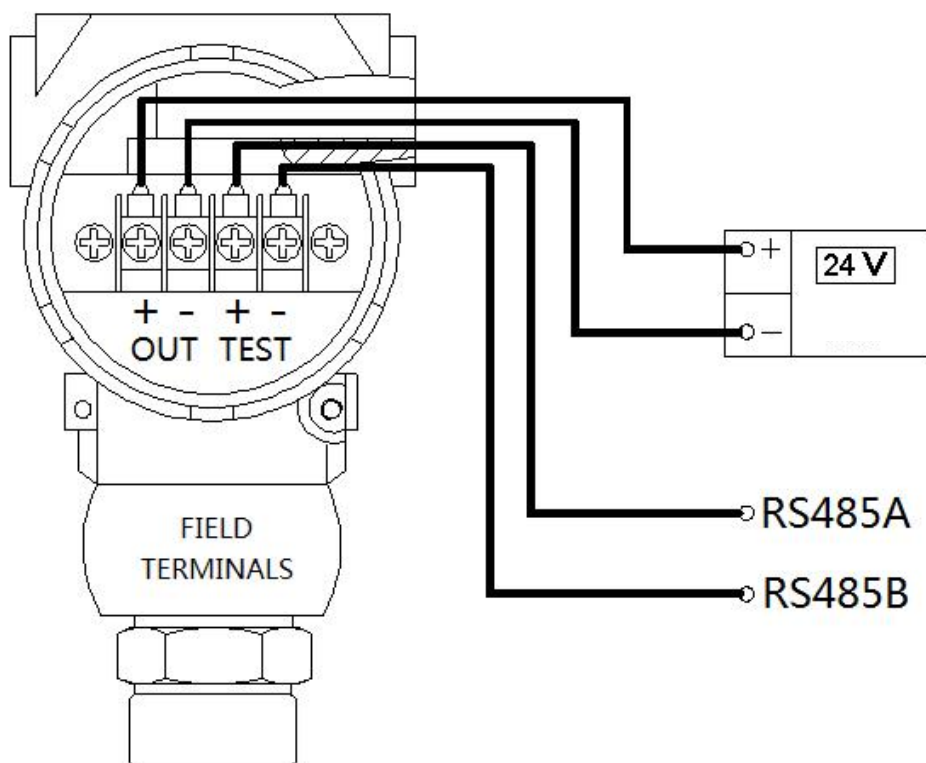
■ Current output



■ Voltage output

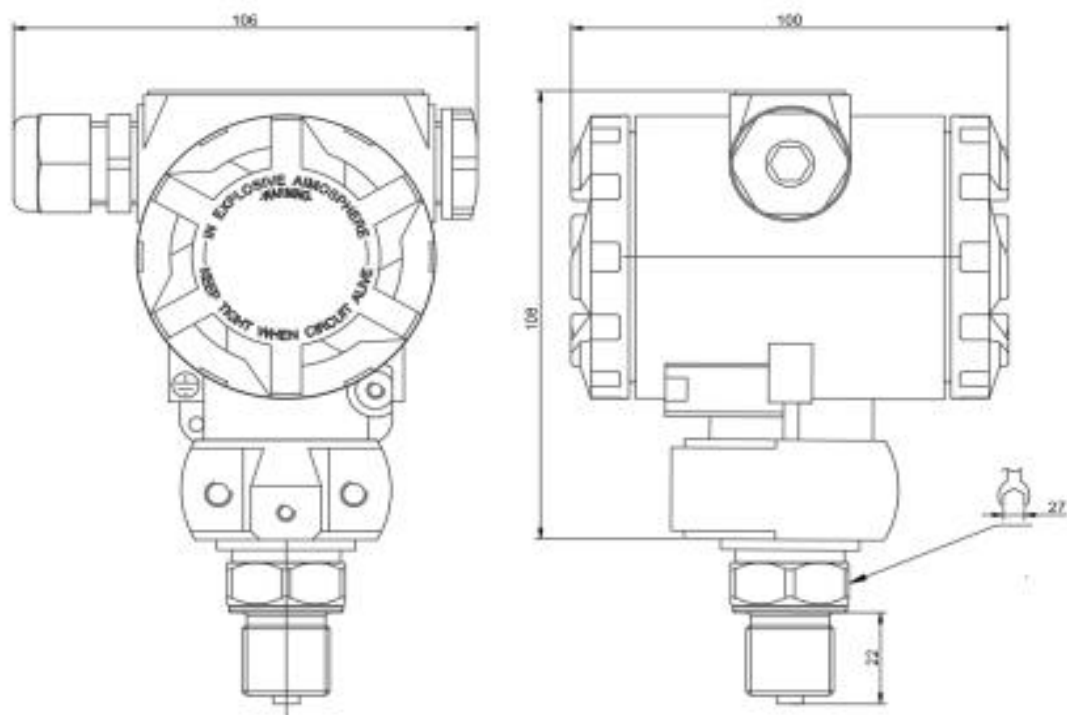


■ RS485 output

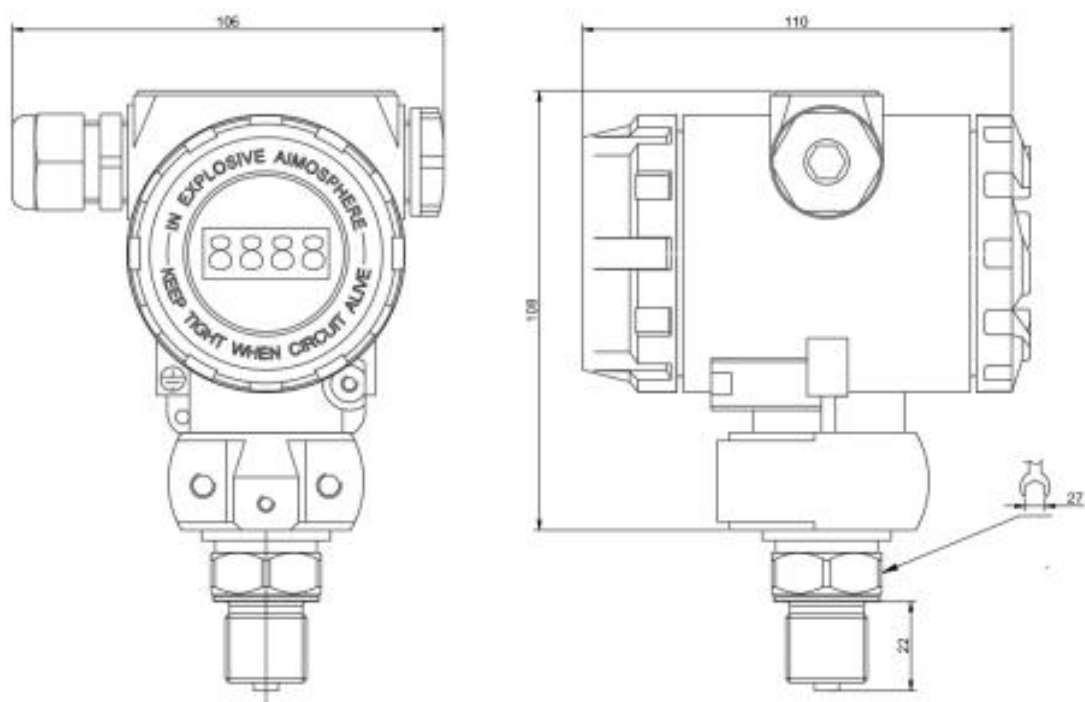


Dimension

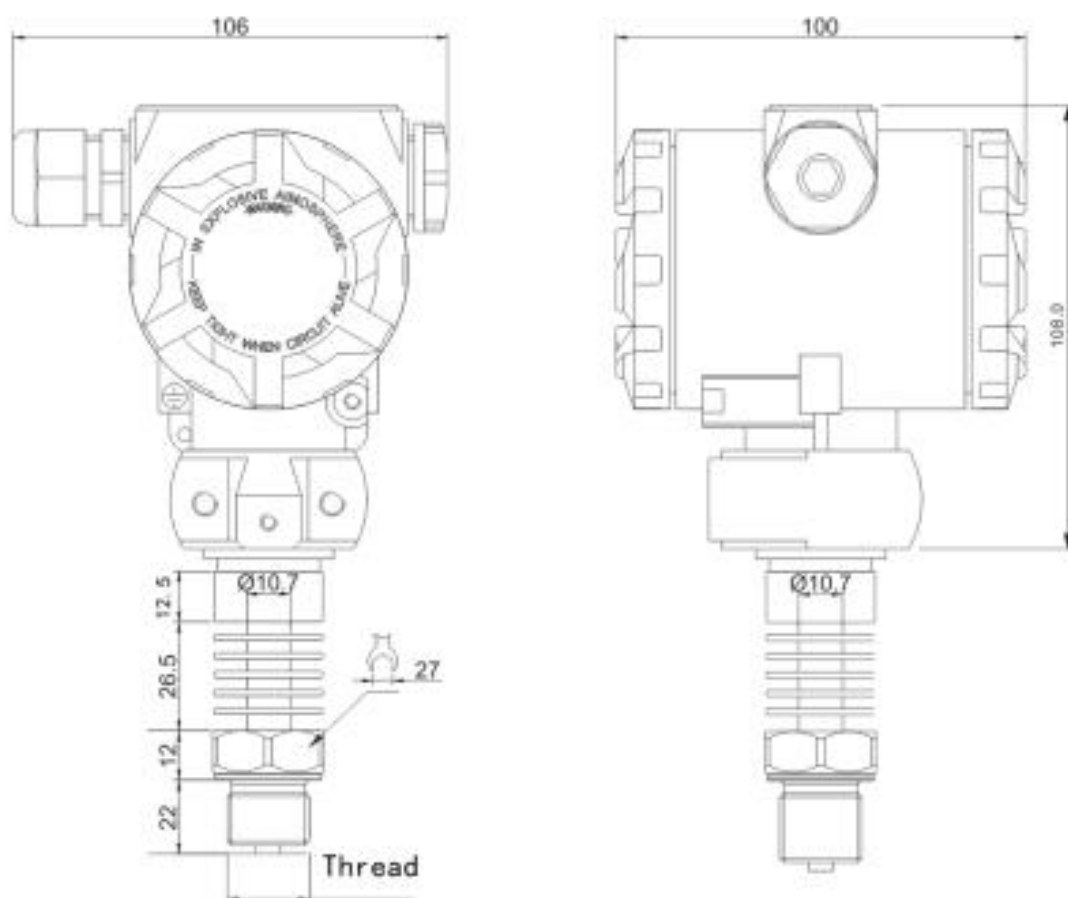
■ P400 without display



■ P400 with display



■ P400G



Ordering code

SUP-P400-G-RT(0-1)-J5-O1-I1-EI6-V1-DM1-GQ1-IP1-HM2													Description
SUP-P400	-	-	-	-	-	-	-	-	-	-	-	-	
Sensor type	G												Gauge pressure
	A												Adiabatic pressure
	S												Sealed pressure
Measuring range	RT												-0.1MPa...0~10kPa ...60MPa
	(XX-XX)												
Accuracy		J5											0.5%FS
		J4											0.25%FS
		J3											0.2%FS
													Unable to transmit output
Analog output				O0									4 ~20mA
				O1									(1~5)V
				O2									(0~10)V
				O3									(0~5)V
				O4									(20~4)mA
				OZ1									(0.5~4.5)V
				OZ2									(0.5~2.5)V
				OZ3									M20*1.5
Installation method				I1									G1/4
				I2									G1/2
				I3									M14*1.5
				I4									NPT1/4
				I5									NPT1/2
				I6									Other
				I7									M20*1.5
				I8									24VDC
Electrical Interface				EI6									316L stainless steel diaphragm
Power supply					V1								Nitrile butadiene rubber sealing ring
Diaphragm material						DM1							Fluorine rubber sealing ring
Seal ring material							GQ1						IP65
							GQ2						Aluminum shell
Protection class								IP1					304
Shell material									HM3				316L
Thread material										TM1			
										TM2			