



Datasheet

Pressure transmitter

SUP-P300T

Supmea[®]

Committed to process automation solutions

Tel: 86-15158063876

E-mail: info@supmea.com

www.supmea.com

Current output pressure transmitter SUP-P300T

Current output pressure transmitter is a cost-effective sensor , electronics for civilian products such as air compressors and water pumps. It can work continuously and stably under harsh environments (high temperature, high oil, and vibration) to meet long-term Reliable and stable pressure measurement. Low temperature drift and ultra-high long-term stability can meet the requirements of various measurement tasks. This series of pressure transmitters range from -100 to 1600kPa. The measurable medium is gas and non-corrosive liquid, and the output is 4-20mA.

Application

- Air Compressor
- Water Pump
- Water Treatment
- Industrial Control System

Features

- Long-term Stability with Cost-effective Current Output Solution
- Digital Full Temperature Compensation (-20~120°C)
- Compact Size
- Max Working Temp 120°C
- Anti-corrosive SS304 Housing
- IP65



Pressure transmitter

Parameter

Parameter	Details
Gauge Pressure Range	-100~1600KPa, -100~1000KKPa
Input	8~30VDC
Output	4~20mA,0.5~4.5V
Accuracy	±1%F.S
Load Impedance@30V	1.1KΩ
Overload Pressure	3000 KPa
Breaking Pressure	3500 KPa
Response Time	10ms
Working Temp	-20°C~120°C
Storage Temp	-40°C~125°C
Ingress protection	IP65
Thread	R1/4,G1/4,G3/8

Note:

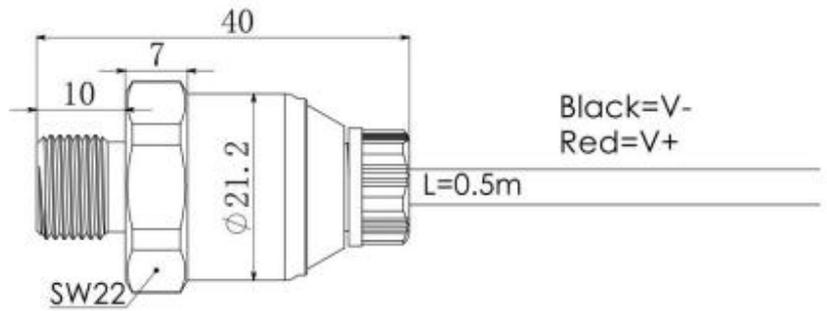
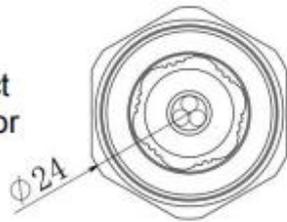
1. The output of the product is proportional to linear within this operating voltage range. The input voltage can be customized within the range of the above table.
2. The output current can be customized within the range of the above table.
3. The load resistance range changes with the input voltage, and the formula is $RL \leq (VS-8)/0.02A [\Omega]$.
4. Response time: the time required from the output to the theoretical value of 10% change to the output to the theoretical value of 90%.
5. Compatible media: non-corrosive media such as water, air, and oil.

■ Environmental Conditions/Electromagnetic Compatibility

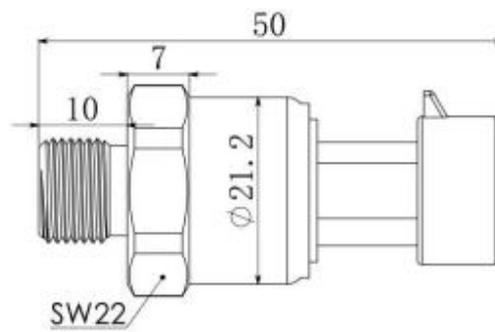
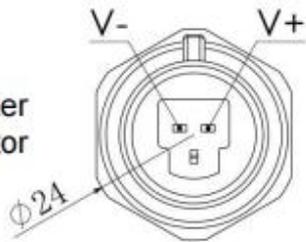
Indicator	level
ESD	15KV (Air)/8KV (Touch)
High Frequency Eectromagnetic Radiation(HF)	200V/m, 80...1000MHz
High frequency (HF) induced interference	30V, 0.15...80MHz
Instantaneous Destruction Voltage(Burst)	4KV
Lightning Induced Voltage(Surge)	line-line, line-housing 500V,12 Ω, 9 μF line-ling, line-housing 1KV,42 Ω, 0.5 μF
Magnetic Field	30A/m, 50Hz
Insulation Voltage	500VDC/350VAC
Line Induced Interference	0.15...30MHz
Reflection of Building	0.15...30MHz, 10m
Shock Resistance	50g, 10...2000MHz
Impact Resistance	50g/3ms 100g/2ms

■ Mounting Details

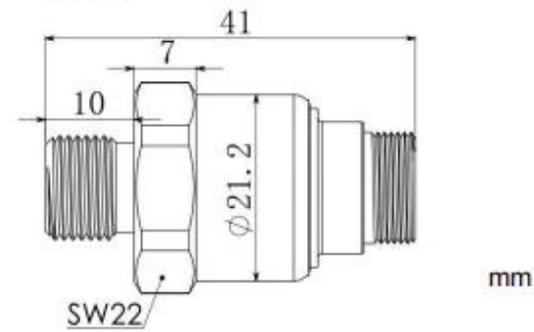
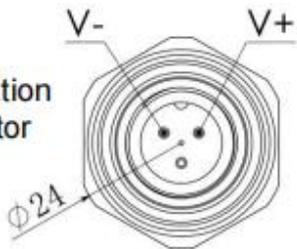
D: Direct Connector



P: Parker Connector



H: Aviation Connector



Ordering code

SUP-P300T-M1-O1-E1-P1-IP1													Description
Details	-	-	-	-	-	-	-	-	-	-	-	-	
Shell material			M1										SS304
			M2										Aluminum
			M3										Copper
			M4										Others
Output			O1										4-20mA output
			O2										Others
Electronic Interface				E0									Parker
				E1									GX12
				E2									Direct Connector
Pressure					P1								0~16bar
					P2								Others
Ingress protection													IP65