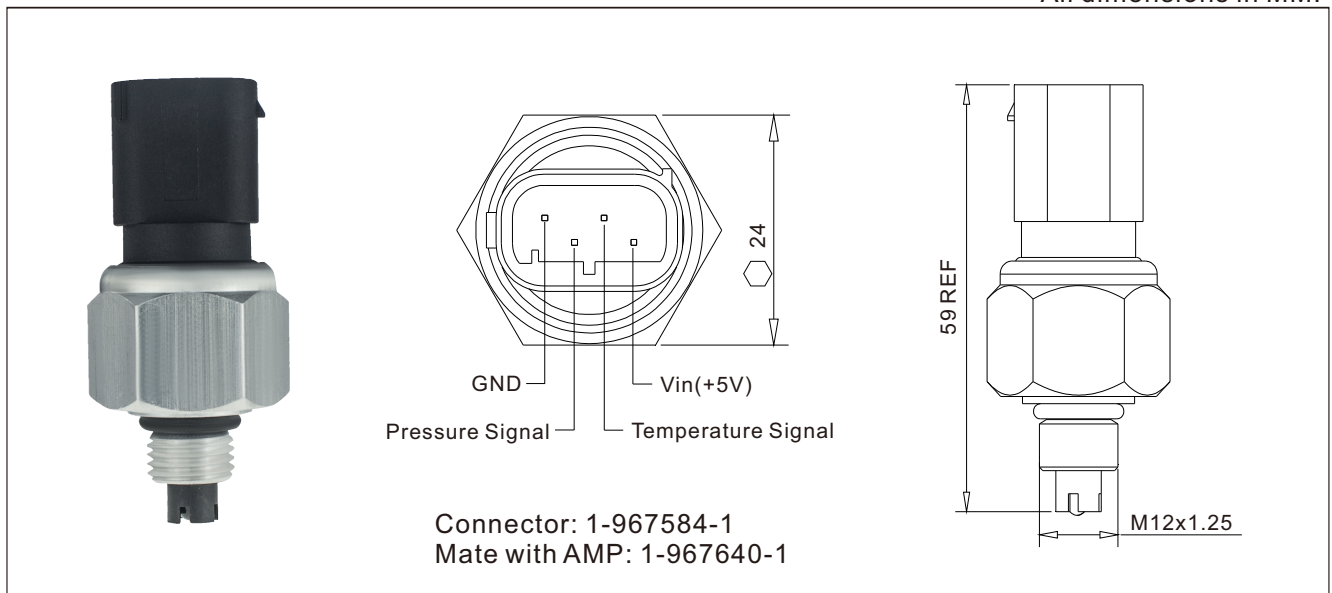


TPSXXC MEMS Type - Automotive Class Temperature + Pressure Sensor

- ☆ TPSXXC series is for testing of temperature and pressure.
- ☆ Pressure signal is made by a MEMS Sensor to provide pressure signal and temperature compensated.
Temperature signal is made by a NTC thermistance, which contact to gas directly and supply a fast response to the temperature.
- ☆ It has high durability (up to 1 million cycles), pressure range from 0/4bar ~ 0/12bar (absolute pressure) and can be applied to atmosphere, oxygen, CNG, LPG, LNG, etc.

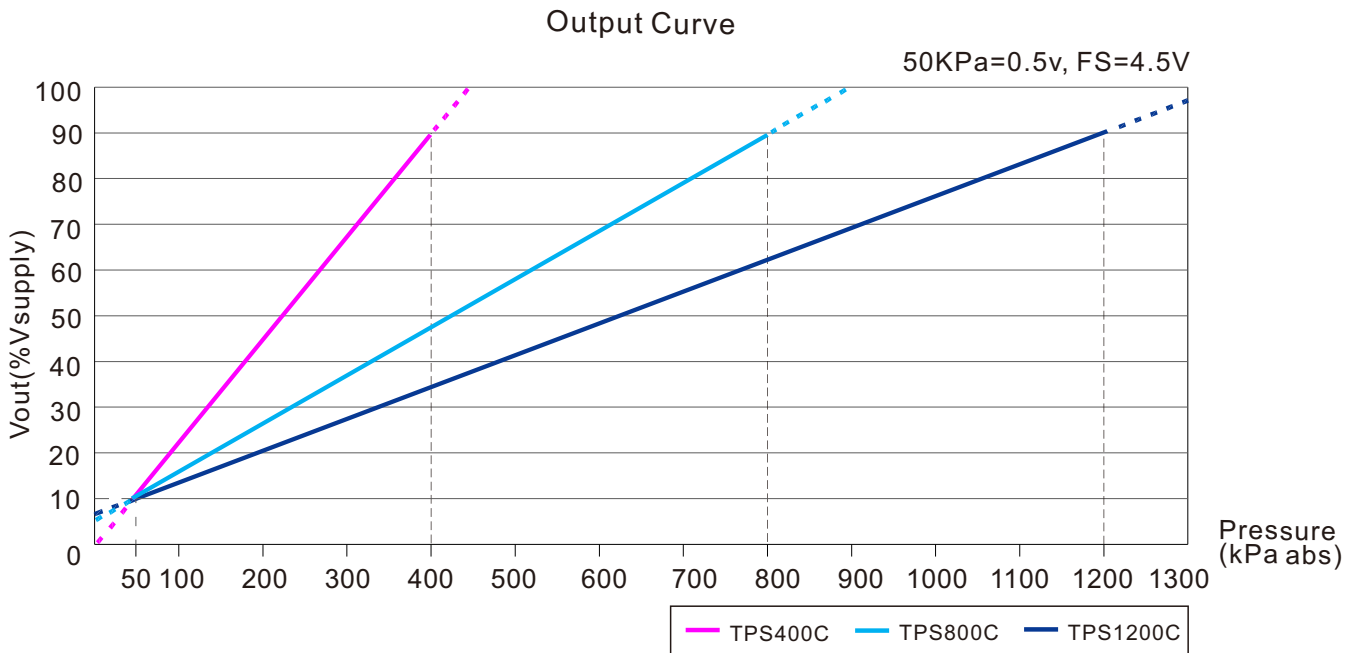
*All dimensions in MM.



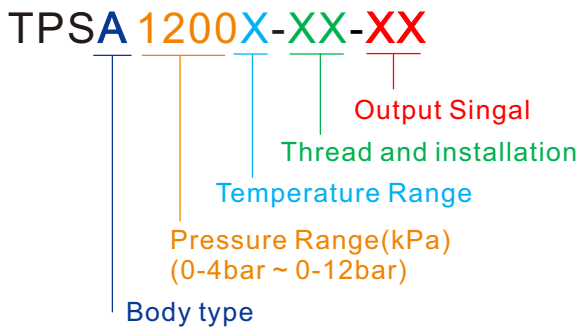
Specification

Sensor type	MEMS	Temperature sensor	NTC resistance 10KΩ
Working pressure	0-4bar~0-12bar (Absolute Pressure)	Working temp	-40~120℃
Pressure response time	5ms	Temperature response time	2s
Default connector	C3 (mate with AMP 1-967640-1, Customizable)	Burst pressure	2X Absolute pressure
Thread size	M12x1.25(Customizable)	Accuracy	1%(0.5% available)
Body material	Aluminium	Protection	IP67
Temperature compensation	YES		

► Output Types



► Code Identify



Body type	
A	SS304
B	SS316
C	SS316L
D	Brass
E	Aluminium

Thread and installation	
M124	M12*1.25, default
B4	1/4"BSP
B8	1/8"BSP
M123	M12*1

Temperature / Resistance (KΩ)										
T(°C)	Output		T(°C)	Output		T(°C)	Output		T(°C)	Output
-30	181.70		10	19.9576		50	3.5882		90	0.9069
-25	133.50		15	15.7398		55	2.9704		95	0.7787
-20	98.4699		20	12.503		60	2.472		100	0.6712
-15	73.7843		25	10		65	2.0677		105	0.606
-10	55.8289		30	8.0504		70	1.7379		110	0.529
-5	42.6305		35	6.5213		75	1.4675		115	0.463
0	32.8352		40	5.314		80	1.2447		120	0.407
5	25.4973		45	4.3549		85	0.0603			

Type: 10kΩ B25/50:3950