12C PRESSURE SENSOR GPT262

INTRODUCTION

The GPT262 pressure sensor is a small general-purpose pressure transmitter newly developed by our company. It uses internationally advanced high-stability and highprecision chips, carefully built through more than a dozen advanced production processes, and undergoes temperature compensation, error and nonlinear signal adjustments. A new generation of products that guarantee high precision.

This product adopts I2C bus signal output, has the characteristics of low power consumption, strong antiinterference, and long transmission distance. The sensor is small in size, simple to install, and cost-effective, which greatly enhances the adaptability of the site.



Galicos

FEATURES

- Low power consumption design, wide voltage 3.3V/5V, minimum current could be 5µA
- Fast power-on, the fastest data output response can reach 3ms
- I2C bus signal output, with unique features such as strong anti-interference and long transmission distance
- The minimum length can be 15mm, which can realize flexible installation and reduce costs
- Simply wiring and maintenance. Only two wires can achieve the communication between multiple sensors on one bus.
- Authentic multi-master bus data transmission. Date destroyed be avoid through conflict detection and arbitration, and ensure the safe transmission of data
- The digital compensation of sensor offset, sensitivity, temperature drift and non-linearity can ensure the high stability and high precision of the product.

APPLICATIONS

- Industrial control
- Smart medical
- Manufacturing
- Communication electronics
- Environmental monitoring
- Fire Safety

SPECIFICATION

Range	-100kPa0kPa~10kPa7MPa
Power Supply	5V DC/3.3V DC
Working current	<1.3mA
Accuracy	$\pm 0.5\%$ FS (pressure) $\pm 0.5\%$ (temperature)
Type of pressure	Gauge pressure, absolute pressure and sealed gauge pressure
Overload	2 times full scale pressure
Compensation temperature	-10℃~80℃
Operating Temperature	-40°C~80°C
Storage Temperature	-40℃~+125℃
Response Time(10%∼90%)m≤1	≤1ms
Diaphragm Material	316L, titanium alloy optional
Long-term Stability	±0.2%FS/Year
Protection Level	IP65 (IP68 customizable)
Shell Material	304、316L
Insulation Resistance	MΩ500 (100VDC)





ELECTRICAL CONNECTIONS





Name	VCC	SCL	SDA	GND	Shell
GPT262-I	Red	Yellow	Blue	green	black
GPT262-S/GPT262-C	Red	Yellow	Blue	black	

ORDER GUIDE

GPT262	I2C P	Pressure Sensor					
	Code	e Range					
	0/X	-10)kPa(0kPa∼	10kPa	.7MPa	
		Code	Code Type of pressure				
		G	Gaug	е			
		S	Sealed gauge pressure				
		А	Absol	lute pre	ssure		
			Code	Pow	er		
			V1	3.3 \	/DC		
			V2	5 VD	C		
				Code	Туре		
				С	Core		
				S	Thre	aded	
				I	Integ	jrated	
					Code	Pressure interface	
					P1	M20X1.5	
					P2	G1/4	
					Р3	1/4''NPT	
					P4	1/2''NPT	
					P5	Customizable	