Pressure Transmitter

GPT204

Description

GPT204 pressure transmitter is a high-volume, civil and industrial use, cost-effective product. It is widely used in gas, liquid pressure detection, such as water, oil, mild corrosive liquids and gases.The product uses the 1Cr18Ni9Ti stainless steel structure and precise calibration of the pressure core which is selected of well-known international brand. The sensor dedicated instrumentation amplifier circuit can easily adjust the zero and full scale.In addition to 5 kinds of standard output, our design team can customizea variety of special requirements at any time for the bulk users at any time.



Technical Specifications

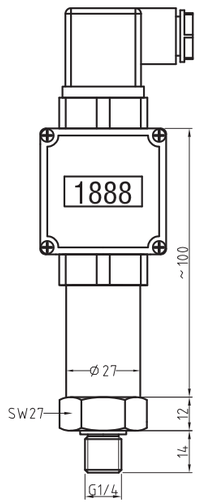
Pressure range	-0.1. . . 0~0. 01. . . 100MPa	
Pressure type	gauge (G), absolute (A), sealed gauge (S)	
Overpressure	150%FS	
Output signal	4~20mA	
Power supply	15~30Vdc	
Accuracy	0.25%FS(typ.)	0.5%FS(max.)
Long-term stability	≤0.2%FS/year	
Temp.coefficient of zero	±1. 5%FS/°C	
Temp.coefficient of span	±1. 5%FS/°C	
Compensated temperature range	-10~+70 °C	
Operating temperature range	-20~+85 °C	
Storage temperature range	-40~+125 °C	
Insulating resistance	100MΩ@250Vdc	
	Water, Gasoline, Diesel fuel. etc	
Electrical interface	DIN43650 cable connection plug-in connector	
Pressure interface	M20x1.5, G1/4,G1/2,1/4NPT, 1/2NPT (customer request)	
Material of pressure membrane	316L stainless steel	
Material of housing	stainless steel	
Response time(10%~90%)	≤1ms(Rises to 90%FS)	
	20g(20-5000HZ)	
Protection	IP65	
	100g(11ms)	
Explosion-proof	ExiaIICT6	

Features

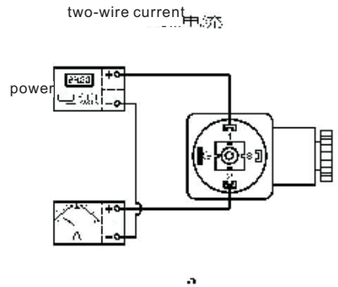
- Ceramic pressure sensor
- Pressure range: 0~200kPa...60MPa
- Gas or dilute liquid compatible with ceramic
- High reliability and stability
- 3-1/2 digits LCD digit indicator
- CE Certification

Application

- Process control system
- Filling machine
- Refrigerator
- Hydraulic Lubrication
- Constant Pressure Water Supply
- Pipeline pressure
- Container pressure
- Petrochemical
- Industrial process control



Wiring



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Ordering code

GPT204										Pressure Sensor
	Code									**Pressure range**
	0/x									-0.1. . . 0~0. 01. . . 100MPa
		Code								**Unit**
		M								MPa
		B								Bar
		P								Psi
			Code							**Pressure type**
			G							gauge
			S							sealed gauge
			A							absolute
				Code						**Output signal**
				T1						4-20mA
				T2						0-5Vdc
				T3						1-5Vdc
				T4						0-10Vdc
				T5						0.5-4.5Vdc
					Code					**power supply**
					V1					24Vdc
					V2					15~30Vdc
						Code				**accuracy**
						A1				0.2%FS
						A2				0.25%FS
						A3				0.5%FS
							Code			**Electrical interface**
							B1			DIN43650
							B2			cable connection
							B3			plug-in connector
							B4			can be customized
								Code		**Housing Material**
								S1		304 SS
								S2		316L SS
									Code	**Pressure interface**
									C1	M20x1.5(male)
									C2	G1/4(male)
									C3	G1/2(male)
									C4	1/4NPT(male)
									Cx	other
GPT204	1MPa	P	S	T1	V1	A2	B4	S2	C4	**Complete specification**

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