

# High Temperature Type —Pressure Transmitter GPT220

## Description

GPT220 high temperature pressure transmitter uses GS series piezoresistive silicon oil-filled sensors as measuring component. Sensors' output are transformed to standard output signal via integrated amplify circuit. The transmitter is with high reliability&stability. It widely Chemi-industry, process control system, hydrology,etc



## Features

- high temperature pressure transmitter
- pressure range: -100kPa~0...0~10kPa... 100MPa
- gas or dilute liquid compatible with 316LSS
- high reliability and stability

## Application

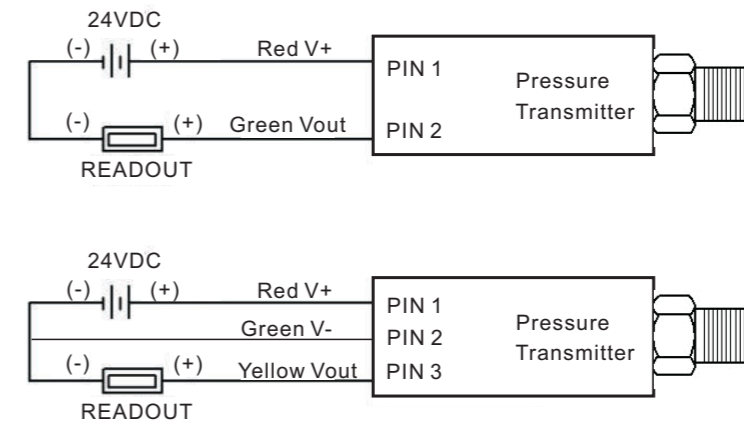
- process control system
- petroleum industry
- chemical industry
- metallurgy industry
- electric power, hydrology etc



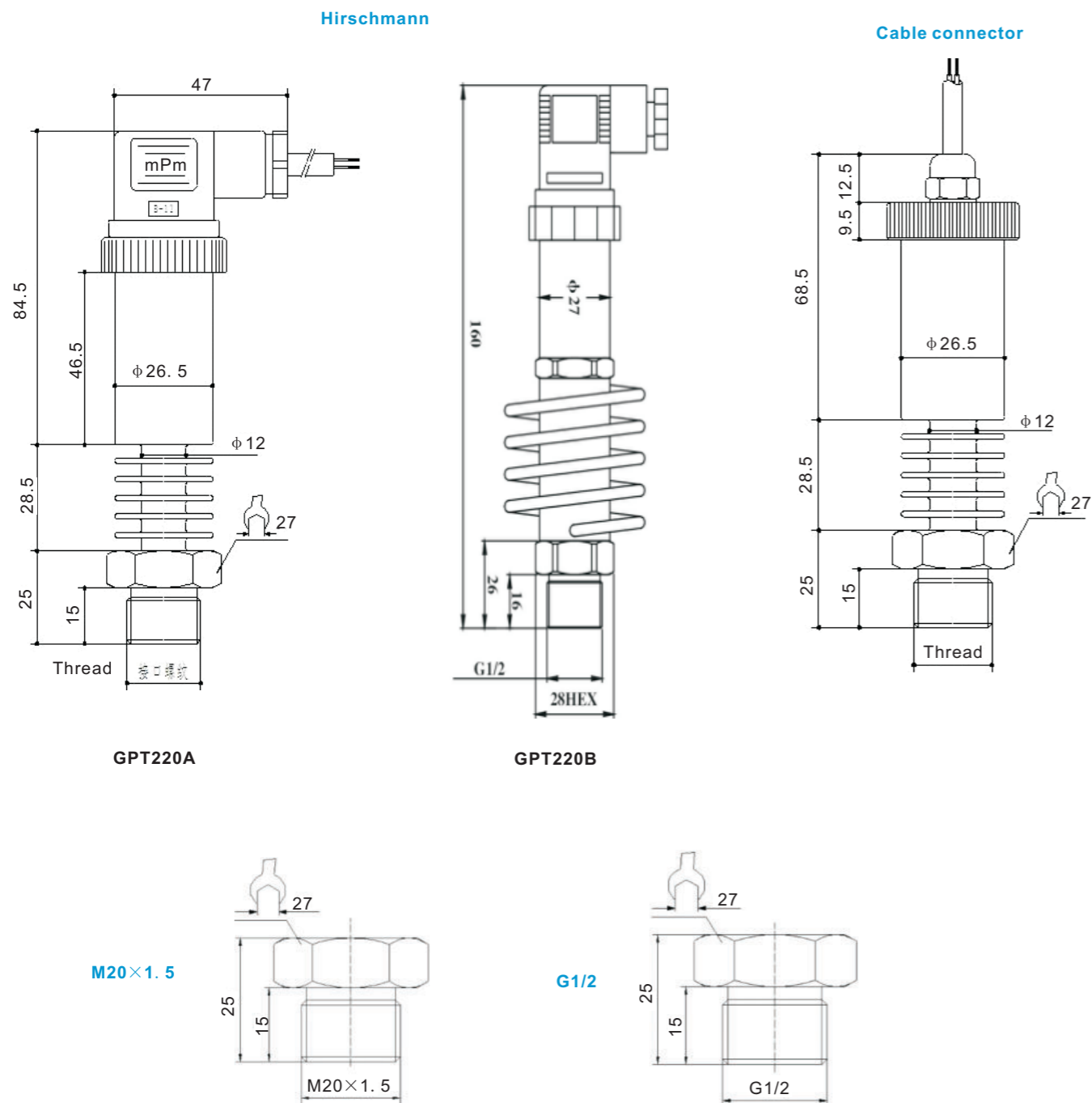
## Technical Specifications

pressure range	-0.1 . . . 0~0. 01. . . 100MPa				
pressure type	gauge (G), absolute (A), sealed gauge (S)				
overpressure	150%FS				
output signal	4~20mA	0~5Vdc	1~5Vdc	0~10Vdc	0.5~4.5Vdc
power supply	12~30Vdc	12~30Vdc	12~30Vdc	12~30Vdc	5Vdc
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				
Medium temperature range	0~150 °C 0~300 °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	ExialICT6				

## Wiring



Dimension(mm)



Ordering code

GPT220A										
GPT220B										
Code										
0/x	Pressure range									
	-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	12Vdc									
V2	24Vdc									
V3	12~30Vdc									
V4	5V									
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									
Code	Explosion-proof function									
E	Ex I explosion-proof									
O	non-explosion-proof									
E	Complete specification									
GPT220	1MPa	P	S	T2	V3	A2	B4	S2	C4	E