

## HuaTian

HPT-9

### Instruction:

HPT-9 sanitary pressure transmitter uses piezoresistive silicon chip as sensing element, which is made with flush membrane structure. It has clamping type, M21×1.5 thread type, 2"clamp and flange type for options. Current and voltage output signal are optional.

The product have good ability on preventing fouling, crystallization and jamming of thick liquid and widely used on pressure measure in , papermaking, paint, medical pharmacy, food & beverage.etc.

### Features:

- Suitable for viscous liquid
- Fast installation
- Easy to clean
- Suitable for sanitary environment

### Applications:

- Food and beverage
- Dairy
- Pharmaceutical
- Papermaking
- Brewing industry



### Specifications( Refer to 25℃ )

Sensor Type	Piezoresistive	Operable Temp. (℃)	-20~85℃
Wetted parts	306L Stainless steel	Storage Temp (℃)	-20℃...85℃
Housing	304 or 306L Stainless steel	Long term stability(annual)	±0.25%FS(typical)
Sealing method	Welding	Zero error (%FS)	±0.5%
Voltage(V)	12-36V(24V standard)	Full range error (%FS)	±0.5%
Protection grade	IP65	Thermal Zero drift (%FS) *	±2.0%
		Thermal Span drift (%FS) *	±2.0%
Pressure port	1)Clamp	Input Voltage / Output	See below code description
	2) Customized	Response	1KHz
Accuracy (Combined Non-linearity, Hysteresis and Non-repeatability) %FS	0.5%(Typical)	Insulation	Min1MΩ @250VDC&25℃
		Shock	100g, 11msec
Pressure Range)	0..35Mpa	Noise	< 2m VRMS
Over pressure	3X Full Range	Pressure reference	Absolute /Vent Gauge/ Seal Gauge
Burst pressure	4X Full Range or 20kpsi which is less	Weight	95g Max.
Life	>10 <sup>7</sup> Full Range Pressure	Model	HPT-9

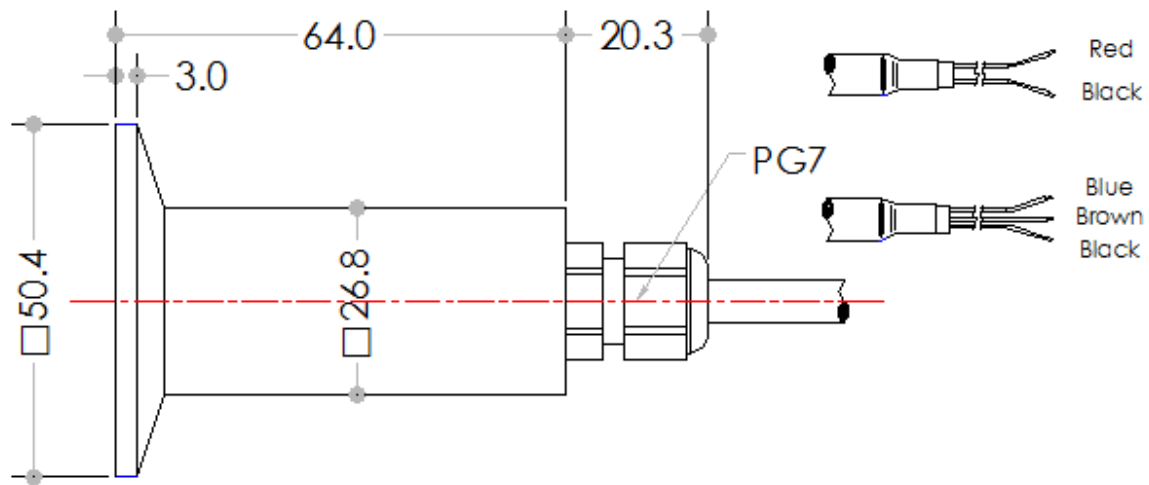
- Thermal drift refer to 25℃ output

**HuaTian**

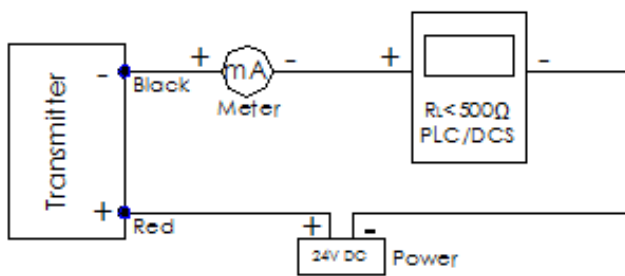
**HPT-9**

HPT-9 pressure transducer model code									
Model	Description								
HPT-9	Sanitary pressure transmitter								
	Range/Code	Pressure unit							
	0-X P	Pa							
	0-X K	Kpa							
	0-X B	Bar							
	0-X M	Mpa							
	0-X S	PSI							
	0-X m	Mh2o							
		Code	Output Signal						
		E	4-20mA two wire						
		F	1-5V						
		J	0-5V						
		Q	0-10V						
		Z	others						
			Code	Accuracy (%FS)					
			J1	0.1					
			J2	0.25					
			J3	0.5					
				Code	Pressure port				
				C1	Clamp				
				X	Customized				
					Code	I/O Outlet			
				B3	Direct cable				
				X	Customized				
					Code	Pressure reference			
					G	Vent Gauge			
					A	Absolute			
Example:									
HPT-9	10B	E	J2	C1	X	G			
HPT-9	10Bar	4-20mA	0.25%	Clamp	Customized	Gauge			
Model Choose:HPT-9-10B-EJ2C1XG									

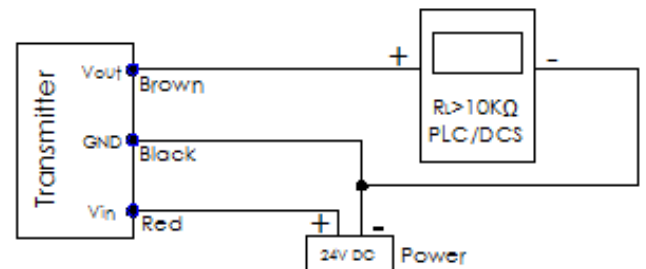
## Outline Construction (Unit:mm)



## Electric Circuit:



Output: 4-20mA



Output: 1-5V

Pin	2-Wire (Current)		Pin	3-Wire (Voltage)
1 (Red)	Vsupply+ (Vs+)		1 (Blue)	Vsupply+ (Vs+)
2 (Black)	Vsupply- (Vs-)		2 (Brown)	Voutput+ (Vo+)
3	NA		3 (Yellow)	GND