

HuaTian

HPT-11

Introduction:

HPT-11 Water proof pressure transducers is based on piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. The sensing package utilizes silicone oil to transfer pressure from the 316L stainless steel diaphragm to the sensing element. This product is widely applied for water treatment system. Various amplified output with 4~20mA, 0.5~4.5V, 0~5V optional.

Features:

- Waterproof and dustproof
- Strong applicability
- Using the high precision pressure sensor
- Optional pressure connection
- High accuracy

Applications:

- Hydraulic and Pneumatic system
- Energy and Water treatment system
- Automation equipment
- Industrial process control



Specifications(Refer to 25°C)

Sensor Type	Piezoresistive sensor	Operable Temp. (°C)	-20~85°C
Wetted parts	316L Stainless steel	Storage Temp (°C)	-20°C...125°C
Housing	Cast aluminum	Long term stability	±0.10%FS(annual)
Sealing method	Welding	Zero error (%FS)	±0.5%
Connector Outlet	IP65	Full range error (%FS)	±0.5%
Pressure port	C1 M20*1.5 C2 M14*1.5	Thermal Zero drift (%FS) *	±1.0%
	Customized	Thermal Span drift (%FS) *	±1.0%
Accuracy (Combined Non-linearity, Hysteresis and Non-repeatability) %FS	0.5%(Typical)	Input Voltage / Output	See below code description
		Response	1KHz
Pressure Range(Bar)	0...250Mpa	Insulation	Min1MΩ @250VDC&25°C
Over pressure	3X Full Range	Shock	100g, 11msec
Burst pressure	4X Full Range or 20kpsi which is less	Noise	< 2m VRMS
Model	HPT-11	Weight	120g Max
Life	>10 ⁷ Full Range Pressure	Pressure reference	Absolute /Vent Gauge/ Seal Gauge

- Thermal drift refer to 25°C output

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HPT-11 pressure transducer model code							
Model	Description						
HPT-11	Water proof 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	M20*1.5		
				C2	M14*1.5		
				C3	G1/2		
				C4	G3/8		
				C5	G1/4		
				C6	1/2NPT		
				C7	1/4NPT		
				C8	ZG1/4		
				X	Customized		
					Code	I/O Outlet	
					B3	Direct cable	
					X	Customized	
						Code	Pressure reference
						G	Vent Gauge
						A	Absolute
Example:							
HPT-11	10B	E	J2	C3	X	G	
HPT-11	10Bar	4-20mA	0.25%	G1/2	Customized	Gauge	
Model Choose:HPT-11-10B-EJ2C3XG							