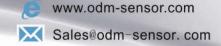


SHENZHEN HUATIAN INSTRUMENT CO.,LTD Specialized pressure, liquid level, temperature technical solution



HuaTian

HPT-8

Instruction:

HPT-8 differential pressure transmitters adopt piezoresistive isolated membrane silicon oil-filled as sensing element, the measured pressure on both ends of the transmitter, utilizes the semiconductor silicon piezoresistive effect to fulfill the differential pressure transformed into electrical signal. After strict testing and aging screening on components, semi-manufactured products and end products, the performance is ensured to be stable and reliable.

Features:

- Micro pressure of 100Pa can be measured
- > Small volume, easy to install
- Output signal optional
- > Pressure connection optional
- Measure for differential and micro pressure

Applications:

- Wind pressure and wind speed purification
- Clean room project
- > Power plant
- Gas
- Mine ventilation

Specifications (Refer to 25 °C)



Sensor Type	Differential sensor		Environment Temp. $(^{\circ}C)$	-20~85℃
Wetted parts	Cast aluminum		Operate Temp (℃)	-20-85℃
Housing	Cast aluminum		Shock	100g, 11msec
Pressure Range	0~100pa0.1Mpa		Zero error (%FS)	±0.5%
Media	Be compatible with 316		Full range error(%FS)	±0.5%
Voltage(V)	12~36V DC(Standard : 24V)		Thermal Zero drift (%FS) *	±1.0%
Connector Outlet	IP65		Thermal Span drift (%FS) *	±1.0%
Pressure port	1) Tower structure and hose		Input Voltage / Output	See below code description
	2) Customized		Response	1KHz
Accuracy (Combined Non- linearity, Hysteresis and	O 50/ (Timical)		Insulation	Min1MΩ @250VDC&25℃
Non-repeatability) %FS	0.5%(Typical)		Weight	160g Max.
Life	>10 ⁷ Full Range Pressure		Noise	< 2m VRMS
Over pressure	3X Full Range		_	Differential
Burst pressure	4X Full Range or 20kpsi which is less		Pressure reference	
Long term stability	±0.10%FS(annual)			
■ Thormal drift r	refer to 25°C output			

■ Thermal drift refer to 25 °C output



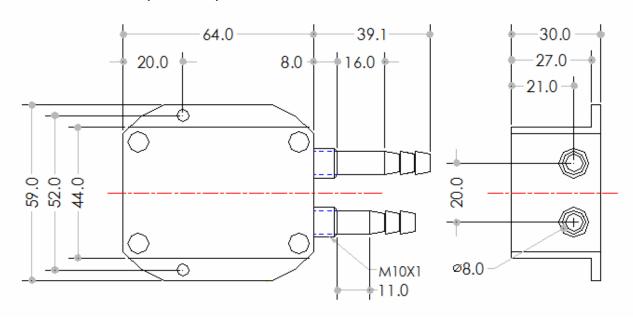
SHENZHEN HUATIAN INSTRUMENT CO.,LTD

HuaTian

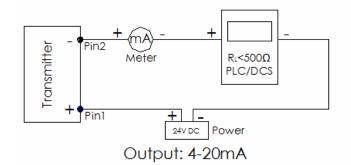
HPT-8

HPT-8 pressure transducer model code							
Model	Description						
HPT-8		Differential pressure transmitter					
	Range/Code				Pressure	unit	
	0-X P				Pa		
	0-X K	Кра					
		Code Output Signal					
		Е	E 4-20mA two -wire				
		F	F 1-5V				
		J	J 0-5V				
		Q	0-10V				
		Z	others				
			Code Accuracy (%FS)				
			J3 0.5				
			J4	J4 1.0			
				Code Pressure port			
				C1 Tower structure and hose			
				^	X Customized		I/O Outlet
							Direct cable
				X Customized			
					X	Code	Pressure reference
						D	Differential
							2
Example:							
HPT-8	10B	Е	J3	C3	X	G	
HPT-8	10Bar	4-20mA	0.5%	G1/2	Customized	Gauge	
Model Choose:HPT-8-10B-EJ2C3XG							

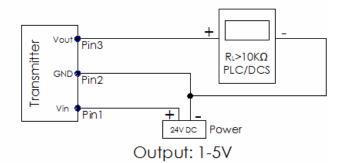
Outline Construction (Unit:mm)



Electric Circuit:



Pin	2-Wire (Current)	
1	Vsupply+ (Vs+)	
2	Vsupply- (Vs-)	
3	NC	



Pin	3-Wire (Voltage)	
1	Vsupply+ (Vs+)	
2	Voutput+(Vo+)	
3	GND	

Pressure Port Dimension:

Code	Pressure port	"L" (mm)
C1	M20*1.5	16
C2	M14*1.5	14
C3	G1/2	16
C4	G3/8	
C5	G1/4	12
C6	1/2NPT	
C7	1/4NPT	13.8
C8	ZG1/4	13.8