

T2000 Series Pressure Transducer

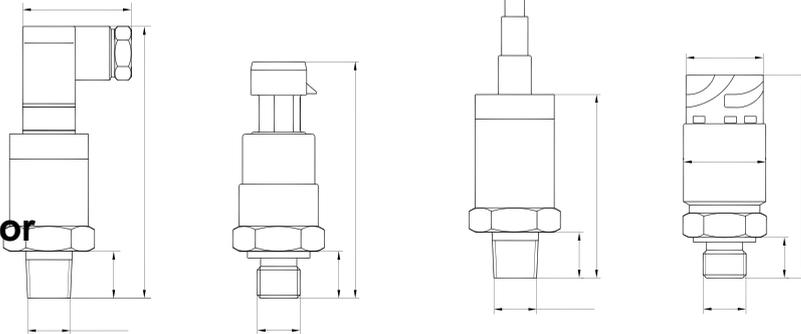
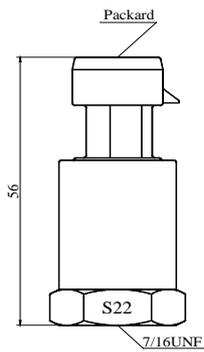
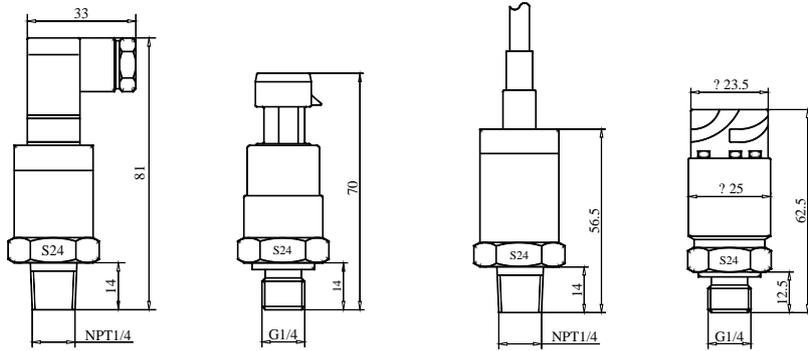
The heart of T2000 pressure transducer is a highly reliable ceramic piezoresistive pressure sensor that is temperature compensated and laser trimmed for accurate span and offset calibration. The typical advantage is the compact size, which make it convenient to be installed in small room. Some typical applications for these pressure transducers are: Process control and automation, compressors and pumps, engine controls, off road vehicles to name few.



Specification

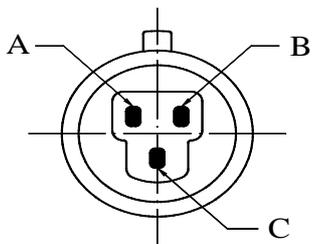
Measurement Range	0~4.....60bar (normal range) -1~0.....100bar, 0~2.....3bar, 0~61bar.....600bar			
Overload Pressure	1.5 times of full scales			
Burst Pressure	3 times of full scales			
Accuracy	±0.5%F.S, ±1.0%F.S			
Long Term Stability	Typical value: 0.5%F.S, Maximum: 1.0%F.S			
Working Temperature	-40℃~100℃			
Compensated Temperature	-10℃~80℃			
Storage Temperature	-50℃~125℃			
Medium Compatibility	All corrosive medium compatible with 1Cr18Ni9Ti stainless steel and ceramic			
Output Mode	2-wire		3-wire	
Output	4~20mA	0.5~4.5VDC	0/1~5VDC	0~10VDC
Power Supply	10~30VDC	5VDC	10~30VDC/AC	12~30VDC/AC
Load Resistance	(U-10)/0.02(Ω)	>100kΩ		
Insulation	>100M Ω@50V			
Electrical Connection	Packard, DIN43650C, M12, Cable			
Pressure Connection	Male G1/4, NPT1/4, 7/16-20UNF, M20×1.5, G1/2 (Female and other connection is available on request)			
Response Time	10ms			
Protection Grade	IP67			
Pressure Form	Gauge pressure			
Electromagnetic compatibility	Electromagnetic transmit: EN50081-1/-2; Electromagnetic sensitivity: EN50082-2			

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Electrical Connector

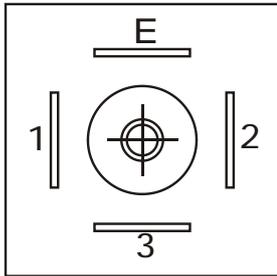
1. Packard connector



Output Form	Connector Definition		
	A	B	C
4~20mA	GND	10~30V	4~20mA
0.5~4.5V	V (-)	V (+)	0.5~4.5V

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2. Hirschmann connector



NO.	Two-wire		Three-wire	
	Cable define	Color	Cable define	Color
1	Power	Red	Power	Red
2	Output	Blue/Green	Earthing	Black
3	NC	NC	Output	Blue/Green
E	Shield	Black	Shield	Yellow

3. Cable



Order Reference No.

