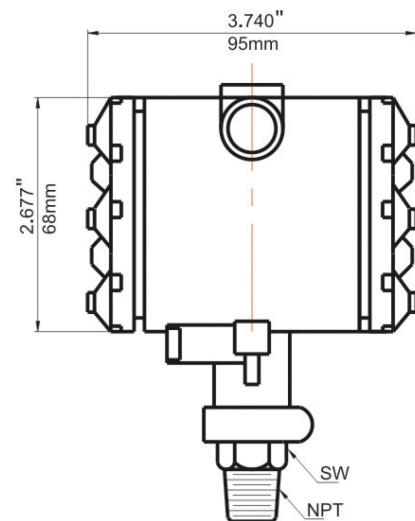


● Features:

- * Pressure sensor packaged in a SST316L housing.
- * Pressure is transferred from a stainless steel diaphragm to the sensor.
- * A broad compensated temperature range of -20 to 85°C and excellent temperature compensation make this transducer /transmitter very stable fluctuating temperatures.
- * 1 year warranty

● Applications:

- * Pressure transmitter is industrial type, designed for a wide range of applications, including process control system
- * Liquid level measurement, gas compressors, lubrication systems, natural gas production, chemical processing
- * Waste water treatment, pulp & paper processing, oil production, recovery and others

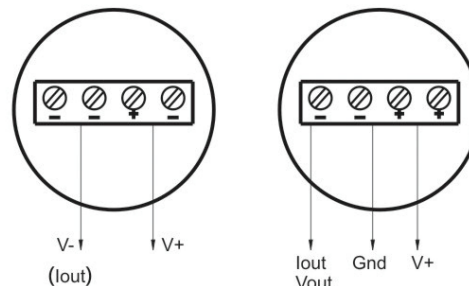


Specifications	
Range	-15 ~ 10000psi
Output	4 mA (Zero) 20 mA (Full scales)
Total Accuracy	≤1.0%FS, 0.5%FS, 0.25%FS, 0.1%FS (the compensated temperature range)
Long Term Stability	will repeat within 0.5%FS, 0.25%FS, 0.1%FS of original calibration curve for one year
Safe Pressure	150% full scale
Proof Pressure	250% full scale
Cycling life	In excess of 10 ⁶ cycles at full scale pressure

● PTI Series Product Code

Range	Over-pressure	Burst Pressure	Product Code
-15-0psi	1.5psi	20psi	TMP51
0-15psi	22.5psi	30psi	TMP52
0-30psi	45psi	60psi	TMP53
0-60psi	90psi	120psi	TMP54
0-100psi	150psi	200psi	TMP55
0-150psi	225psi	300psi	TMP56
0-200psi	300psi	400psi	TMP57
0-300psi	450psi	600psi	TMP58
0-600psi	900psi	1200psi	TMP59
0-1000psi	1500psi	2000psi	TMP510
0-2000psi	3000psi	4000psi	TMP511
0-3000psi	4500psi	6000psi	TMP512
0-5000psi	7500psi	10000psi	TMP513
0-10000psi	15000psi	20000psi	TMP514

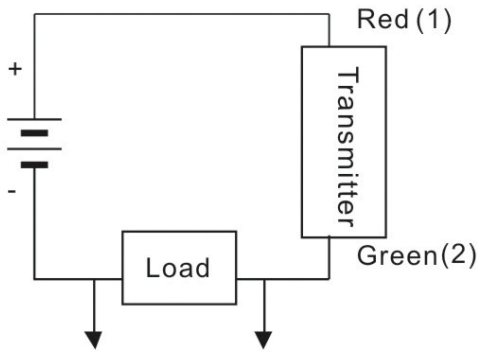
● Electrical connection:



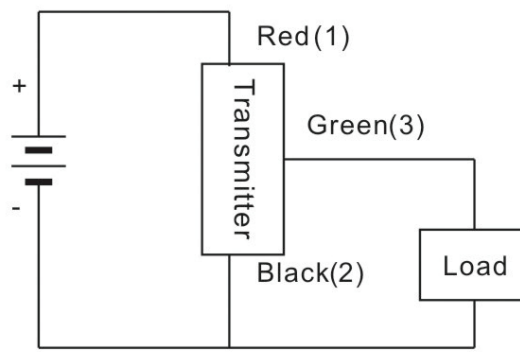
● **Environmental:**

- * Compensated Temperature Range: -20 ~ 75°C
- * Operating Temperature Rang:-30 ~ 85°C
- * Storage Temperature Range:-40 ~ 100°C
- * Vibration:15 grms 10-2000Hz(MIL-STD-202 M204 Cond.B)
- * Shock: 50g's, 11ms, (MIL-STD-202 M213 Cond.G)

● **Wiring schematic:**



● **2-wire Transmitter**



● **3-wire Transmitter**

● **Type selections:**

Model	Housing Body Size	Output	Pressure Range	Port Screw	Additional Function
PTI	1 – BP11 enclosure	1 – 420mA (2 wire)	xx - Rated pressure measurement value	Mark the real port screw.	A1 – 1.0%FS A2 – 0.5%FS A3 – 0.25%FS A4 – 0.1%FS V1 – 24VDC V2 – 12VDC V3 – 5VDC V4 – 12VDC D1 – LED display D2 – LCD display D3 – index display D4 – 0100% display SS–self-safety ialICT4 SI – isolation dIIBT4 DNxx- Flange & num.
	2 – BP42 enclosure	2 – 420mA (3 wire)			
	9 – other	3 – 05V 4 – 15V 5 – 0.54.5V 6 – 010V 7 – switch out 8 – switch & voltage out 9 – customer special requests	unit – may be select: MPa, KPa, Pa, Bar, PSI, Kg/cm ²		

● **Ordering Example:**

- * TPI 11-20MPa-M201.5-A2V1D2 -- TPI pressure transducer/sensor: guage pressure range is 0-20MPa, housing is BP11 enclosure (2088 pressure transmitter husk), output is 4-20mA(2 wire), port screw is M20x1.5, accuracy is 0.5%FS, the power supply is 24VDC, LED displays the processing values..
- * TPI 26-2.5MPa-G1/2-A3V1 -- TPI pressure transmitter: guage pressure range is 0-2.5MPa, housing is BP42 enclosure, output is 0-10V(3 wire), port screw is G1/2, accuracy is 0.25%FS, the power supply is 24VDC.