



Dimension in:mm

## T1800

Pressure transmitter



T1800 high temperature Spray-diaphragm pressure transmitter is a product which is characterized by high temperature-proof, wide range and high accuracy. It is widely used in testing gas and liquid pressure, such as water, oil, light hazardous liquid and gas. Spray-diaphragm core refers to spray an insulation layer on the core by chemical method. Then Wheatstone bridge of metal diaphragm type and temperature compensation are sprayed on the insulated body. At last, cover a layer of insulation material on the metal diaphragm resistance. The Wheatstone bridge of metal diaphragm will deform in accordance with the core deformation, which is affected by pressure and give a linear output.

### T1800 Order Ref NO

T1800-A4-100-K-0.25-H-GF-1.0

A B C D E F G

A Output	B Measurement range	C Unit of measure	D Accuracy	E Electrical connector	F Pressure connection	G Cable length(m)
A4=4~20mA		K=kPa	0.25±0.25%F.S	H=DIN43650-A	GF=G1/4	
V0=0~5V		M=MPa	0.5±0.5%F.S	GX=GX16-7	GM=G1/4 male screw	
V1=1~5V		P=psi		C=Cable	M=M20×1.5	
V10=0~10V		B=bar		CW=Waterproof joint qualification	RG=Φ8 air faucet	

### Specification

General	Value		
Measuring Range	0~1.....2000bar		
Overload capability	2 times full scale		
Burst pressure	4 times full scale		
Accuracy	±0.1%F.S. ±0.25%F.S. ±0.5%F.S		
Stable	typically 0.25%F.S per year, 0.4%F.S(Max) per year		
Medium temperature range	- 50 ℃ ~150 ℃ (- 50 ℃ ~230 ℃ is available on request)		
Compensated Temperature	- 20 ℃ ~120 ℃		
Medium	Liquids and gases, compatible with stainless steel1Cr18Ni9Ti		
Electrical overview	2 wire	3 wire	
Output	4~20mA	0~20mA	0~10mA
Power Supply	12~30VDC	12~30VDC	
Load	<U-10> /0.02(Ω)	<U-10> /0.02(Ω)	
Insulation resistance	> 100M(Ω)@50V		
Insulation voltage	500V@60 second		
Vibration /Constant shock	10g/5~2000Hz, axes X/Y/Z20g sine 11ms		
Life	2×10 <sup>6</sup> cycles @25 ℃		
Electrical Connection	DIN43650C, M12 Series, Packard, Cable		
Pressure connection	M20×1.5. G1/4. G1/2. R1/2. NPT1/2. NPT1/4		
Pressure Type	Guage, Seal Guage, Absolute		
Electro Magnetic Compatibility	EN50081-1/-2, EN50082-2		

Conversion:1bar=14.5psi 1MPa=10bar