

**Low cost OEM pressure transmitter**

**PT18 type**

Micro- machined, silicon sensor, absolute and gage pressure transducers and transmitters for harsh.

These compact robust transducers measure pressures from -1~400 bar and are well suited for a variety of automotive, industrial and commercial applications.

**Typical Applications**

- Refrigeration    ■ Pneumatics    ■ Fuel Cells    ■ Compressors    ■ Flow
- Spraying Systems   ■ Pumps    ■ Hydraulics    ■ Robotics    ■ Automotive
- Process Control    ■ Agriculture    ■ Hydrogen Storage



**Special Features**

- Measuring pressure range-1~400 bar
- Accuracy : ± 1.0%. at -20~85°C
- Compact size, excellent price / performance ratio.
- Maximum Flexibility –temperature compensation.
- Robust Package – All laser – welded stainless steel design for optimal media isolation.

**Electrical Specifications**

Output Type	0.5 to 4.5 Volts	4 – 20 mA	1 – 5 Volts
Supply Voltage	5 + / - 0.5	8 to 30 Volts	8 to 30 Volts
Supply Current	<5 mA	Not Applicable	<5 mA
Output Current	0.45 mA Max( Sink or Source )	Not Applicable	0.45 mA Max( Sink or Source )
Response Time	<1 ms	<1 ms	<1 ms
Reverse Polarity Protection	N/A	Yes	Yes

**Performance Specifications**

Output Type	Pressure	0.5- 4.5 Volts	4-- 20mA	1 – 5 Volts
Accuracy at -20~85°C	-1~2 bar	2.0%FS		
	2~400 bar	1.0%FS		
Total Error accuracy at-40~-20°C ; 86~105°C	-1~2 bar	4.0%FS		
	2~400 bar	2.0%FS		
Stability (Typical)		0.25%FS/Year		
Zero Pressure Offset		0.5V	40 mA	1.0V
Full Scale Output		4.5V	20 mA	5.0V
Operating and Storage Temperature		-40~-105°C		
Proof Pressure		3 x F.S.		
Burst Pressure Absolute Pressure Transducers		10 x FS or 15000Psia_(whichever is less)		
Burst Pressure Gage Pressure Transducers		5 x FS		