

# PS-610

## Compact Pressure sensor

### Metal Type

- 0~30bar / 0~50bar
- Dry/Wet media
- Superior Long term Stability
- Temperature Compensated
- Linear Amplified Output
- Excellent Repeatability & Hysteresis
- EMI/RFI Protection

PS-610 series Long term minimization of these errors is maintained after millions of full scale overpressure cycles, making electronic set point virtually drift-free. Use of metal sensor in the sensing element and its mounting provides excellent resistance to most liquids and chemicals. Ruggedness and reliability are also enhanced by a stainless steel housing to resist corrosion pressure sealing for media compatibility is provided by selection of welding Sealing type. metal sensing element contains and integral, reliable, solid state, custom hybrid circuit signal conditioner. This circuit is digital interface can be used for a simple PC-controlled calibration procedure, in order to program a set of calibration coefficients into an on-chip EEPROM and without the cost overhead associated with trimming by external devices or a laser.



**PS-610**

### TYPICAL APPLICATIONS

- ✓ Pressure Control
- ✓ Petrochemical
- ✓ Transmissions
- ✓ Compressors & Pumps
- ✓ Water Management
- ✓ Environment control systems

Physical Data [ Custom Ranges and Compound Ranges Available ]			
Pressure	Unit	Over Pressure	Burst
◆ 0 to 30 / 0 to 50	bar	◆ 3 x F.S.	◆ 5 x F.S.
General SPEC			
Characteristic	PS-610		
Pressure Range	0~30bar / 0~50bar		
Power Supply	[ Voltage ] 5VDC		
Output	[ 3 Wire ] 0.5 to 4.5VDC 1 to 5VDC 0 to 5VDC		
Operating Temp. Range	-40 to 120°C		
Compensated Temp. Range	-20 to 80 °C		
Accuracy	±0.25 %F.S		
Non-linearity	±0.2%		
Hysteresis and repeatability	±0.03% typical		
Body Material	Brass		
ASIC Diagram			