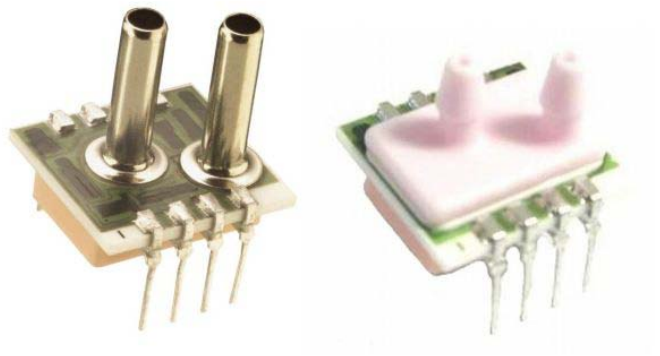
1200 Series

PC Board Mountable Pressure Sensor
Temperature Compensated
0 – 100mV Output
Gage, Absolute, Differential
Current/Voltage Excitation



1200 Series

The 1200 series is a temperature compensated, piezoresistive silicon pressure sensor packaged in a dual-in-line configuration.

Integral temperature compensation is provided over a wide temperature range using laser-trimmed resistors. An additional laser-trimmed resistor is included to normalize pressure sensitivity variations by programming the gain of an external differential amplifier.

RoHS

FEATURES

- Dual-in-Line Package
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Wide Compensated Temperature Range

APPLICATIONS

- Medical Instruments
- Airspeed and Altitude Measurements
- Process Control
- Factory Automation
- Vacuum Measurement
- Handheld Calibrators
- Leak Detection
- Sleep Apnea
- Respirators/Ventilators
- Air Duct Flow

1200 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span	Supply Voltage	Supply Current	Compensated Temperature	Unique Feature
1210 Sub psi	0 - 5, 10" in H_2O	G, D	40mV		1.5mA	0°C to 60°C	Barbed port option Current excitation
1210 1psi	0 - 1psi	G, D	100mV		1.5mA	0°C to 50°C	Barbed port option Current excitation
1210 Standard	0 - 2, 5, 15, 30, 50, 100psi	G, A, D	100mV		1.5mA	0°C to 50°C	Barbed port option Current excitation
1220 1ps	0 - 1psi	G, D	50mV	1.235Vref		0°C to 50°C	Voltage excitation
1220 Standard	0 - 2, 5, 15, 30, 50, 100psi	G, A, D	50mV	1.235Vref		0°C to 50°C	Voltage excitation
1230 UltraStable™	0 - 15, 30, 50, 100psi	G, A, D	100mV		1.5mA	-20°C to +85°C	Current excitation UltraStable™
1230 UltraStable™	0 - 15, 30, 50, 100psi	G, A, D	50mV	1.235Vref		-20°C to +85°C	Voltage excitation UltraStable™