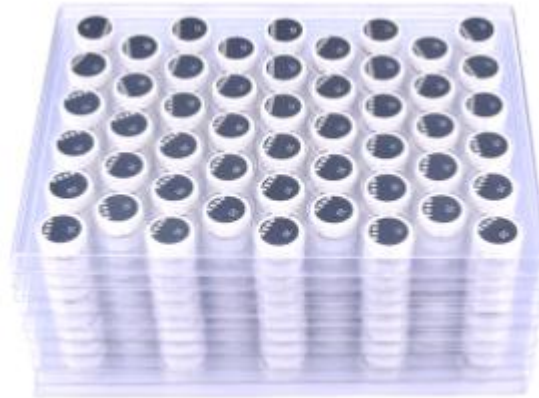


BX-PSC18 Series Piezoresistive Ceramic Pressure Sensor



PSC18 series ceramic pressure sensor with temperature compensation adopts the design of advanced ceramic thick film technology and the import raw material production. It can measure positive or negative pressure at the same time, gas pressure, water pressure, oil pressure or liquid level pressure etc, with the characteristics of anti-corrosion, anti-wear, anti-shock and high temperature resistance, high accuracy, performance stability, strength signal output, long-term stability and high cost performance. Due to its designed based on harsh environment, and make the sensor works in a severe environment and it also can ensure the perfect sensitivity and linearity. As a small size pressure sensor element, it can be encapsulated in all its forms or be directly integrated with electronic circuit of machine equipment.

Application:

- 1, pressure instrument, pneumatic and hydraulic equipment, process control;
- 2, digital instrument, Medical instrument, digital switch, electronic consumer goods;
- 3, chemical products and the chemical industry, household electrical appliances.

Technical Parameters:

Pressure Range	2-600bar
Pressure Type	Relative
Supply Power	5-30VDC
Signal Output at Full Range	2mV-4mV/V
Bridge Resistance	11 K Ω \pm 30%
Zero Drift	$\leq \pm 0.2$ mv/V
Insulation Resistance	>2KV
Overload Capacity	200%FS
Rupture Pressure	300%FS
Long-term Stability on Zero Point	$\pm 0.2\%$ FS
Direct Contact Material with Liquid	Alumina Al2O3-96%
Working Temperature Range	-40 to +135 $^{\circ}$ C
Storage Temperature Range	-55 to +150 $^{\circ}$ C
Temperature Drift	$\leq \pm 0.03\%$ FS/ $^{\circ}$ C
Relative Humidity	0-100%

Wiring Diagram and Outline Dimension:

Model No.	Welding Disk	Range Scale	Diameter and Height	Hole Size
BX-PSC18	lie alongside	if 10bar range,will display:10	Ø18x6.35mm	2-30bar:9.7mm 50-600bar:5mm
BX-PSC18X	lie alongside	if 10bar range,will display:10	Ø18x3.5mm	2-30bar:9.7mm 50-600bar:5mm

PSC18	
PSC18X	

