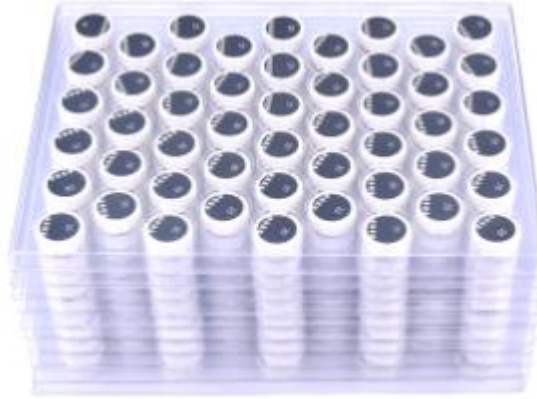


**BX-PSC18 Series Piezoresistive Ceramic Pressure Sensor**



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 KΩ ± 30%													
Zero Drift		≤± 0.2mv/V													
Insulation Resistance		>2KV													
Long-term Stability on Zero Point		± 0.2%FS													
Direct Contact Material with Liquid		Alumina Al2O3-96%													
Working Temperature Range		-40 to +135°C													
Storage Temperature Range		-55 to +150°C													
Temperature Drift		≤± 0.03%FS/°C													
Relative Humidity		0-100%													
Range(bar)	2	5	10	20	30	40	50	70	100	200	300	400	500	600	
Burst Pressure(bar)	6	15	30	60	90	100	125	175	200	350	450	550	650	750	

**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

