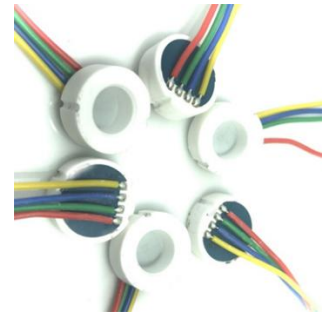


Pressure Sensor XY-S18C

Typical Feature










- ☐ Small Size
- ☐ Modular Product
- ☐ High Stability and Performance long term
- ☐ Vacuum to 200 Bar
- ☐ Resistant ceramic capacitive Technology



Pressure Sensor XY-S18C is a Capacitive ceramics sensor for general industrial applications, with small size diameter $\Phi 18$, height is upon pressure range, pressure measure ranges from 0~2 bar, 0~5bar, 0~10bar, 0~50bar, 0~100bar, 0~200bar and other extensive range options, the advantages of rich range option, small size and modularity make the Ceramic Capacitive technology applying in many industries broadly.

Besides the multiple standard products, Xuyan also provide customized adaptations for customers requirement. XY-S18C Ceramic Capacitive Pressure Sensor incorporates the latest generation sensing elements. Design and manufacture withstand harsh environments, with excellent performance for EMI protection, outstanding shock and vibration, after test case by case successfully, its longevity and lifetime performance and high quality are recognized in the market.

Suggested Applications

-  Vacuum Machinery
-  Plant Process
-  Medical and Laboratory Sterilizers/Autoclaves
-  HVAC Systems
-  Water Pump
-  Booster Sets
-  Pneumatic Systems
-  Waste and Water Management
-  Customized Applications

More details for XY-S18C, please contact us.

Specification

Model	XY-S18C
Pressure Range	0~2bar...0~200bar
Dimension	Diameter $\phi 18$, Height is upon pressure range
Excitation	2.5...30Vdc, Max
Bridge Impedance	11K Ω ±30%
Full Scale Output	3mV/V, Type
Operation Temperature	-40~135°C
Residual Temperature Effects (Zero Sensitivity)	$\leq \pm 0.03\%FS/^{\circ}C$ $\leq \pm 0.04\%FS/^{\circ}C$
Combined Error (Linearity Hysteresis)	$\leq \pm 0.3\%FS$
Humidity Range	< 95%RH

Zero Offset	$\leq \pm 0.2\text{mV/V}$
Burst Pressure:	2~4 Times of Rated Pressure

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