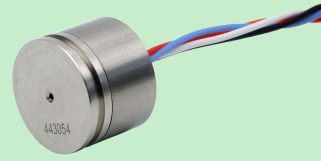


SS118 series air pressure transducers

- 1.5mA current supply
- Low cost, non oil filled
- Standard size Ø19*15mm
- Temperature compensated
- Minimum pressure to 2KPa
- High accuracy, high reliability
- Measure non-conductive, non-corrosive gas



Descriptions

SS118 series air pressure transducers are a kind of higher cost-effective piezoresistive pressure sensors, they are designed by the standard industrial size Ø19*15mm, non oil filled inside, but temperature compensated. The silicon chip is exposed to the air, this makes SS118 series high sensitivity, typical to measure pressure 2kpa, 5kpa, and 10kpa, but this exposed chip also limit its application, recommend to measure non-conductive and non-corrosive gas.



Parameters

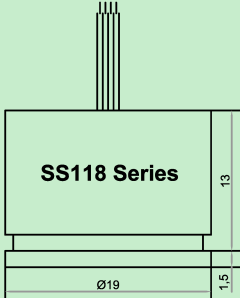
Power Supply	1.5mADC typical
Span Output	45±10mV (≤10KPa); 100±20mV (>10KPa)
Zero Output	±2mV
Accuracy	0.5%F.S.
Measuring Range(Gauge)	0~2KPa...35KPa
Overload	2.0*F.S.
Temperature Compensation	0~60°C
Operating Temperature	-20~100°C
Storage Temperature	-40~125°C
Zero Thermal Error	±0.02%F.S./°C
Input Impedance	2.3KΩ~4KΩ

SS118 series air pressure transducers

Constructions

O-Ring	Buna-N(Ø17*1.0mm)
Diaphragm	None
Housing	Stainless steel 304
Sensor	Silicon
Filling Liquid	None
Electrical Connection	10cm silicon rubber flexible wires
Diameter	Ø19mm
Height	14.5mm
Weight	18g

Drawings & electrical connections

	Color	Function
	Red	Supply +
	Black	Supply -
	White	Output +
	Blue	Output -

Ordering information

EXAMPLE: **SS118 C 01**

1	Pressure range(kpa) A(2.0) B(5.0) C(10) D(20) E(35)	C
2	Power supply 01 1.5mADC 02 1.0mADC	01

Contact us

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*Specifications subject to change without notice, the latest date sheet please contact: sales@sendo-sensor.com