

X19(WTG19) Industrial Pressure Sensor

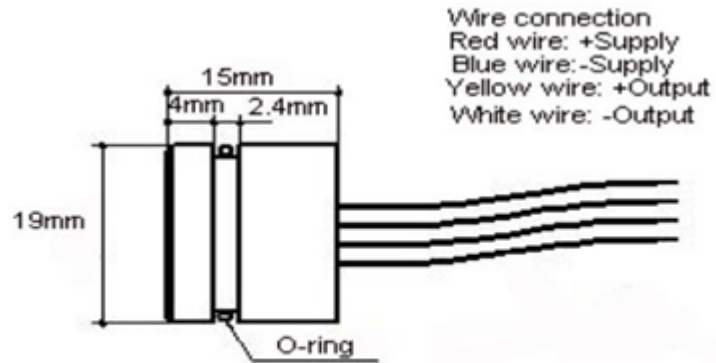


- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS technology
- Cost effective

X19(WTG19) OEM Pressure Sensor is a standard and economic pressure sensor applied in clean air pressure measurement. A high sensitivity piezoresistive silicon pressure chip is employed in the transducer. Without oil filling, this kind of sensor has a very good temperature performance. The air measured should be no-aggressive, as air will contact pressure chip directly.

Pressure range	
Pressure range	500Pa, 1kPa, 2kPa, 4kPa, 6kPa, 8kPa, 10kPa,35kPa,70kPa,100kPa (bar and psi unit available)
Pressure reference	Gauge pressure
Overpressure	300%F.S.
Output signal	
Zero output	±2mV
Span output	≥30mV(typical)
Specification	
Accuracy (linearity, repeatability and hysteresis)	±0.25%F.S. (Typical)
Excitation	1.5mA (Typical)
Compensated temp.	0°C-50°C
Operating temp.	-20°C-85°C
Storage temp.	-40°C-125°C
Zero temp. coefficient	1.5%F.S.(500Pa, 2kPa, 5kPa, 10kPa) 2%F.S. (20kPa, 35kPa, 70kPa, 100kPa) 2.5%F.S. (1kPa, 7kPa)
Span temp. coefficient	2%F.S.
Insulation resistance	>100Mohm/250VDC
Input impedance	2kΩ~5kΩ
Long term stability	≤0.2%F.S.S. /year
Vibration	20g (20-5000Hz)
Oil filling	Without oil filling
O-ring	NBR, Fluorin
Housing and diaphragm	Stainless steel 316L
Wire connection	4 wire (typical) 5 wire (available) 39×φ0.015, Silicon shielded, 200°C bearing
Weight	25g(approx)

Wire connection



Wire	Connection
red	excitation+
blue	excitation-
yellow	output+
white	output-

In mm

How to order

X19 XX XX XX XX

Pressure range

Please write directly

Pressure reference

G: gauge pressure

Excitation

I1: 1.5mA

Electrical connection

4w: 4 wire

Wotian reserves the right to make any change in this publication without notice. The information provided is believed to be accurate and reliable as of this product sheet.

Contact us

Nanjing Wotian Technology Co.,Ltd.

Add: 5 Wenyong Road, Binjiang Development Zone, Nanjing, 211161, China

Sales Manager: Wuzhou Lian

MP: 0086-13998828452

Email: lianwuzhou@wtsensorus.com

American Company

Wotian Sensor Corporation

Sales Manager: Geoffery Gao

MP: 001- 626 808 1707

E-mail: geoffery@wtsensorus.com

German Company

Wotian Sensor GmbH

Sales Manager: Frances

E-mail: frances@wtsensorus.com

Anshan Wotian Sensor Corp. (Branch Factory)

Add: 262, Yueling Road, Gaoxin District, Anshan, China

Korean Company

Korea Wotian Technology Co., Ltd.

Sales Manager: Yinji An

MP: 0086- 13478122009

E-mail: anyinji@wtsensorus.com