

X19(WTG19) Industrial Pressure Sensor

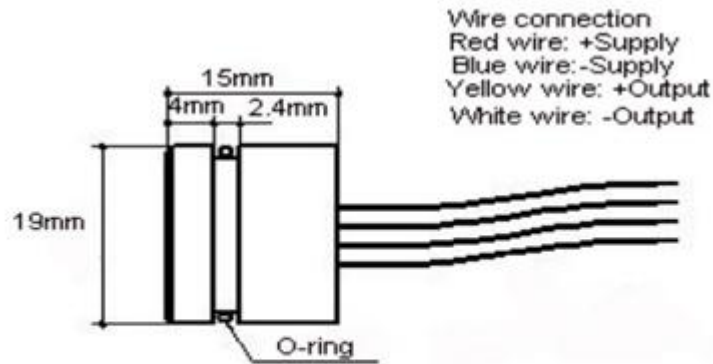


- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS technology
- Cost effective

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	250Pa, 1kPa, 2kPa, 4kPa, 6kPa, 8kPa, 10kPa (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. (250Pa, 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)

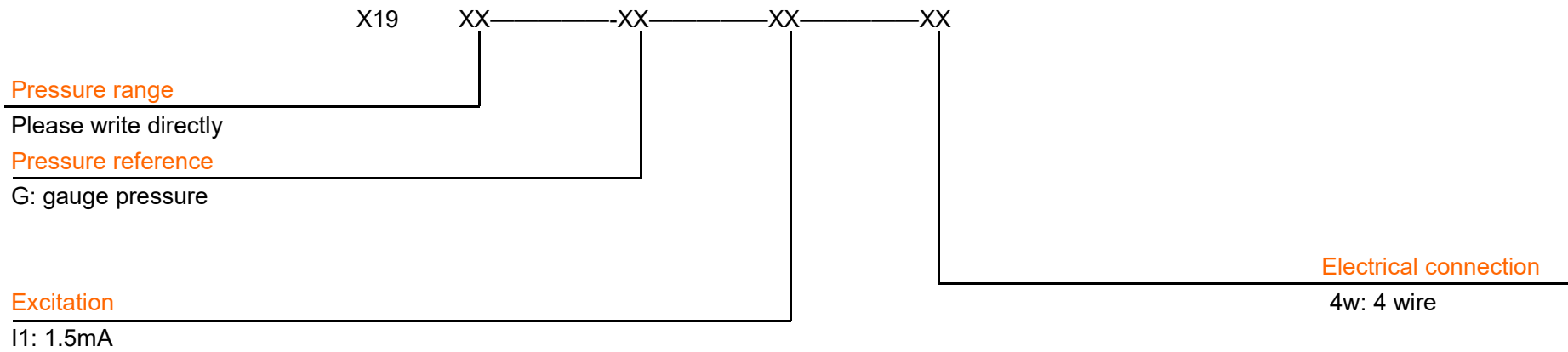
Wire connection



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

In mm

How to order



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