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## PC19(WTG19) Industrial Pressure Sensor

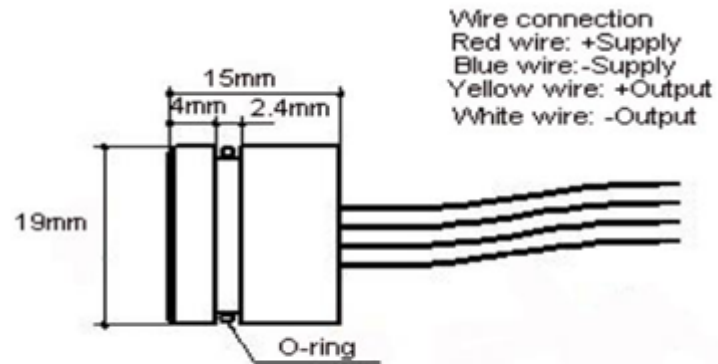


- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS technology
- CE certificate
- Cost effective

PC19(WTG19) OEM Pressure Sensor is a standard and most economic sensor applied in air pressure measuring. 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	-20kPa, 100Pa, 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.	-10-70°C (Typical)		
Operating temp.	-40-125°C		
Storage temp.	-40-125°C		
Zero temp. coefficient			
Span temp. coefficient			
Insulation resistance	> 100Mohm/250VDC		
Bridge resistance	Min.	Max.	Unit
	2800	3800	ohm
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 (housing and diaphragm)		
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

PC19(WTG19) XX—XX—XX—XX

### Pressure range

Please write directly

### Pressure reference

G: gauge pressure

### Excitation

C: 1.5mA

D: Others (please specify)

Electrical Connection

W: wire connection