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## PC12K(WTF50) Sanitary Pressure Sensor



- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS technology
- CE certificate
- Sensor diameter: 50.4mm

PC12K(WTF50) sanitary pressure sensor is designed for sanitary industry application. A high sensitivity silicon pressure chip is employed in the transducer. The housing is filled with olive oil for pressure

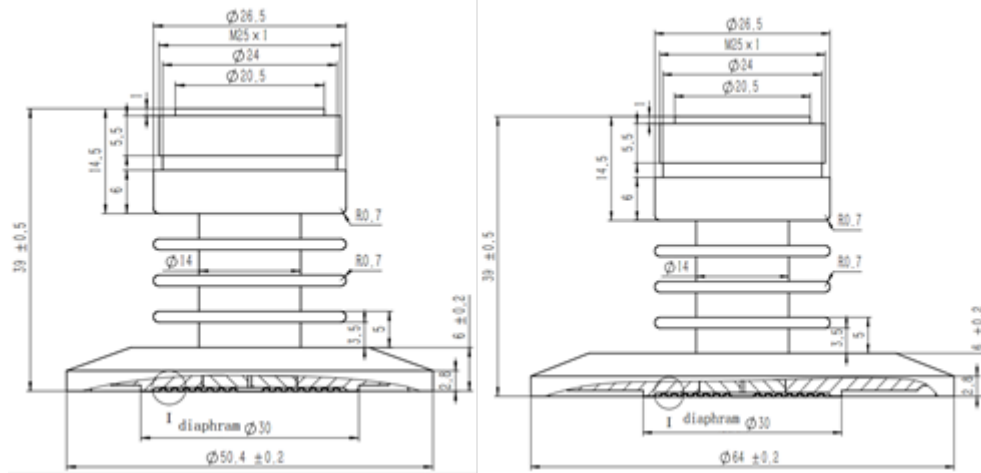
transmission.

### **Caution**

1. Please do not touch the diaphragm by finger and other hard objects, or it may be damaged.
2. The sensor filled with olive oil is for sanitary application. It cannot work when the temperature is lower than 0°C, because the olive oil will freeze lower than 0°C.

Pressure range			
Pressure range	-100kPa, 10kPa, 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa, 4MPa, 6MPa, 10MPa(bar and psi unit available)		
Pressure reference	Gauge pressure   Absolute pressure		
Overpressure	300%F.S.(≤70Kpa)   200%F.S.(<10Mpa)		
Output signal			
Zero output	±2mV		
Span output	100mV		
Specification			
Accuracy (linearity, repeatability and hysteresis)	±0.25%F.S. (Typical)		
Excitation	1.5mA (Typical)		
Compensated temp.	-10--70℃(Typical)   0-60℃(<100kPa)		
Operating temp.	-40-125℃		
Storage temp.	-40-125℃		
Zero temp. coefficient	0.02%F.S./℃ (≥100kPa)   0.04%F.S. /℃(<100kPa)		
Span temp. coefficient	0.02%F.S. /℃(≥100kPa)   0.04%F.S. /℃(<100kPa)		
Insulation resistance	>200Mohm/250VDC		
Bridge resistance	Min.	Max.	Unit
	2600	5500	ohm
Vibration	20g (20-5000HZ)		
Oil filling	20g (20-5000HZ)		
Oil filling	Olive oil for sanitary application   Silicon oil available		
O-ring	NBR, Viton		
Housing and diaphragm	Stainless steel 316L		
Wire connection	4 wire (typical)   5 wire (available) 39×φ0.015, Silicon shielded, 200℃ bearing		
Pin connection	Kovar pin (0.6um Gold plated)		
Weight	200g(approx)		

## Wire connection



In mm

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

## Accessory (Tri-clamp)



Note: the accessory is not included in the shipment except ordering.

## How to order

