

HR-PTM100

- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS Technology
- Polarity protection
- CE certificate



Description

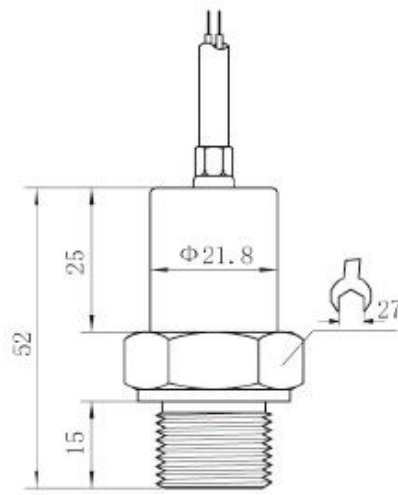
HR-PTM100 industrial pressure sensor is a standard and most popular sensor applied in air and liquid pressure measuring. A high sensitivity silicon pressure chip is employed in the transducer.

Parameters

Pressure	
Pressure range	-100kpa~0~20Kpa~100Mpa
Pressure reference	Gauge Pressure Absolute Pressure Sealed Gauge Pressure
Overpressure	300%F.S.(70Kpa) 200%F.S.(< 25Mpa) 150%F.S.(≥25Mpa)
Output Signal	
Zero output	±2mV
Span output	100mV(Typical) 60mV(for 10kpa)
Specification	
Accuracy (linearity, repeatability and hysteresis)	±0.25%F.S. (Typical)
Excitation	1.5mA (Typical) 10VDC
Compensated temp.	-10--70°C(Typical)
Operating temp.	-40-120°C
Storage temp.	-40-125°C
Zero temp. coefficient	±2%F.S.
Span temp. coefficient	±2%F.S.

Insulation resistance	> 100Mohm/250VDC			
Bridge resistance	Min.	Typ.	Max.	Unit
	2800	3300	3800	ohm
Long term stability	≤0.2%F.S.S/year			
Vibration	20g (20--5000HZ)			
Oil filling	Silicon Oil (Typical) olive oil available for sanitary application fluorin oil available for oxygen measuring application			
Housing and diaphragm	Stainless steel 316L			
Weight	200g(approx)			

Drawing (this is the example)



How to order

