DOOZEN
Specilize in Switch&Sensor

PS10

Pressure Sensor



SUMMARY

PS Series is high accuracy pressure sensor, embedded one programming Hall sensor, due to linear compensation and temperature compensation of programming hall sensor, can effectively eliminate the zero error, sensitivity error, and system error.

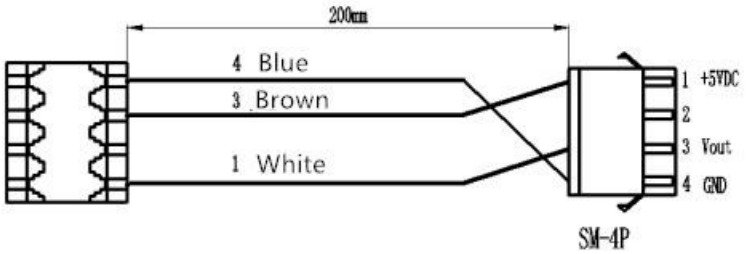
PS Series can accurately measure the pressure range of 0-10bar, and provide a perfect linear voltage output which the accuracy can reach 3%, under 5VDC power supply, the output range is 0.5-4.5VDC. It has corrosion resistant diaphragm, making it possible to detect gas or liquid. It uses a plastic enclosure that makes the cost very low.

FEATURE

- Withstand at least 200,000cycles of pressure change
- -20 to 100°C working temperature
- Analog voltage output (0.5~4.5V)
- Plastic enclosure
- Reverse voltage protection

APPLICATIONS

- Wall mounted gas boiler
- HVAC
- Solar heating system
- Control pump, valve
- Appliance Liquid detection





1 SPECIFICATIONS

Pressure range:	0~10Bar
Accuracy:	±5% of Full Span
Linearity:	± 3% of Full Span
Response time:	1.0 ms
Proof Pressure:	1.6Mpa()
Operation Temp.:	-20~100° C
Power:	5.0±0.5 @ 10mA Max
Signal Output:	0.5~5.0 V
Wetted Material:	PA66 (30%GF)
Port Connector:	See Table
Cable Length:	Customizable
Media:	Gas or Liquid
Weight:	25.0g

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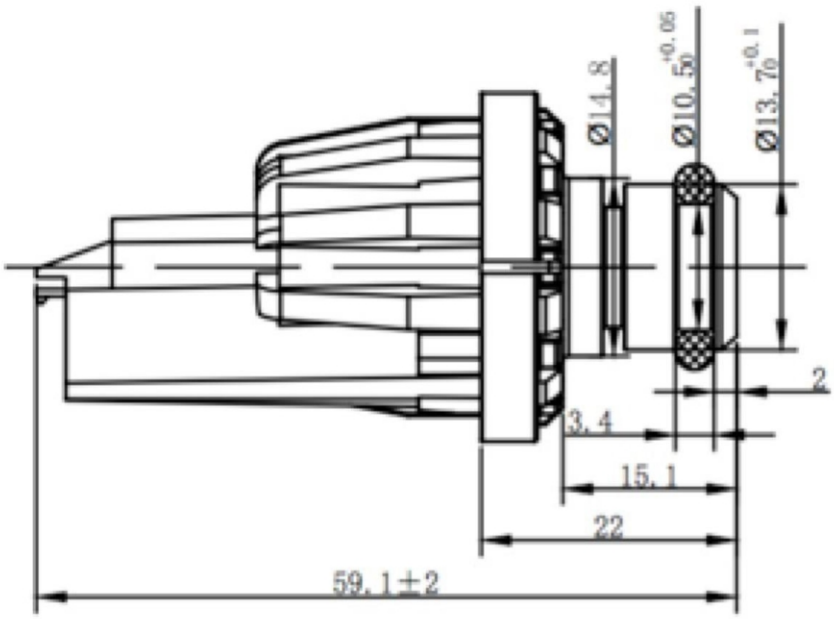
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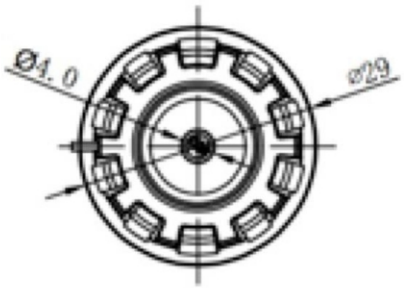
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DIMENSIONS





INSTALL RECOMANDATION



PORT CONNECTIONS



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