

CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

Pressure Sensor | Temperature Sensor | Liquid Level Sensor | Load Cell | Smart Instruments

Position sensor | Torque | Internet of Things



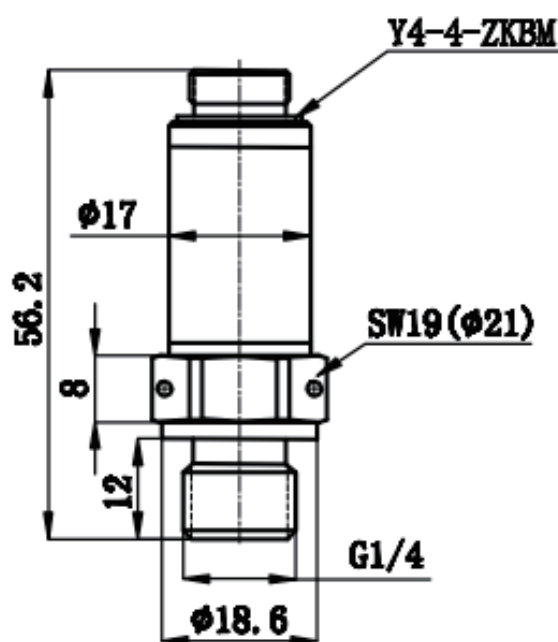
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Years of experience in sensor R&D,
manufacturing and production

Provide one-stop customization services
for various sensors

PPM-T117A

Pressure Sensor



Product Introduction

PPM-T117A series pressure transmitter adopts SOI oil-filled silicon sensor, highly reliable diaphragm separation design, fully welded and packaged in a stainless steel housing, matching temperature and pressure compensation intelligent circuit module, precise piezoelectric conversion. The product has high accuracy and working life Long, wide applicable temperature range, strong electromagnetic compatibility, resistance to shock and vibration, low power consumption, good repeatability, light weight and other characteristics. Mainly used for gas pressure, fuel pressure, intake pressure, boost pressure measurement.

Applications

Mainly used in bomb-mounted engines, vehicle-mounted engines, internal combustion engine gas pressure, fuel pressure, intake pressure, and boost pressure measurement


Diesel engine, thermal power unit, steam turbine, water turbine, locomotive braking system

Underwater weaponry ship and navigation system.

Technical Parameters

Measured Medium	Liquid, gas
Pressure Type	Absolute pressure
Pressure Range	0~2MPa, 0~6MPa, 0~10MPa, 0~15MPa
Power Supply	8~32VDC
Signal Output	4~20mA two-wire system; 0.5~4.5VDC three-wire system
Repeatability	± 0.1% FS
Non-linearity	± 0.1% FS
Accuracy	± 0.2% FS (-45°C~+120°C); ± 0.5% FS (-45°C~+120°C)
Long-term Stability	0.15% FS / year
Working Medium Temperature	-45°C~+120°C
Working Ambient Temperature	-45°C~+120°C
Process Connections	G1 / 4, M14×1.5
Wetted Material	316L stainless steel
Electrical Connection	Aviation connector
Weight	≤50g
Electromagnetic Compatibility	EN61000-6-2:2005/EN61000-6-3:2007/EN61326-2-3:2006
Environment	«AEC-1JK04-20180611 AEC-1», «AEC-1JK04-20180611 AEC-2» GJB9001B-2009 GJB450-1988 GJB368A-94 GJB312.5-87 GJB1622-93

Definition of Wiring

Aviation Connector		
		Pin hole
	Power supply	1
	Negative power	2
	Signal positive	3
	Signal negative	4

CONTACT US

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