

CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



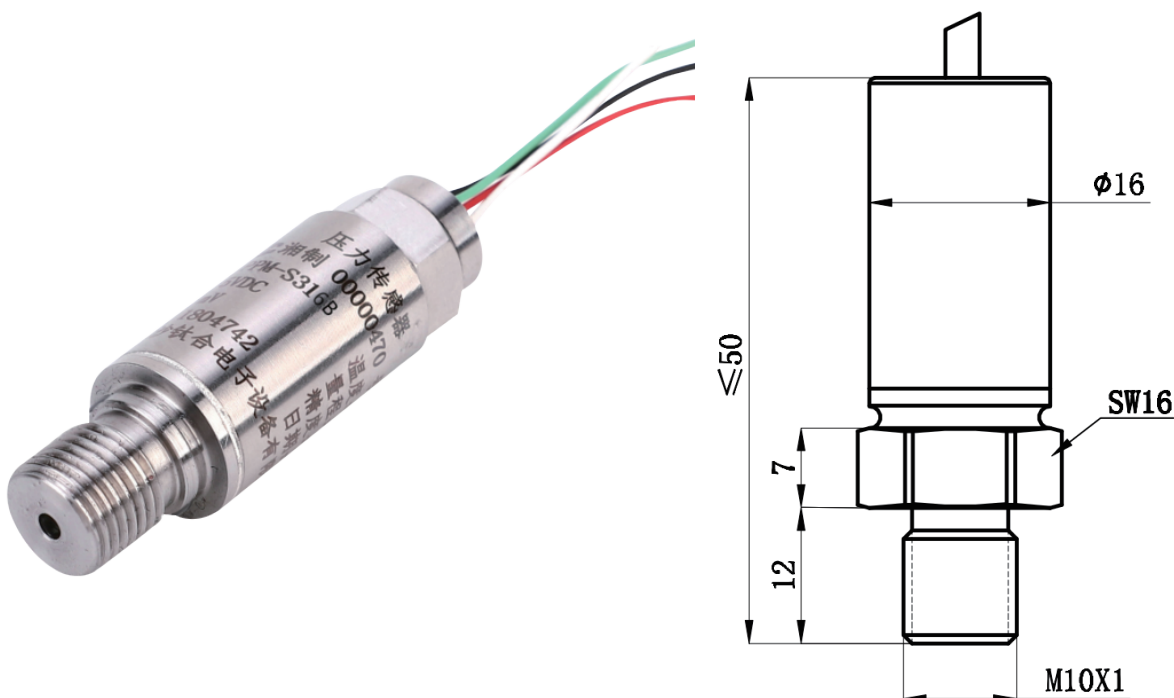
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Years of experience in sensor R&D,
manufacturing and production

Provide one-stop customization services
for various sensors

PPM-S316B

Ultra-low Temperature Pressure Sensor



Product Introduction

PPM-S316B ultra-low temperature pressure sensor uses special process processing, mV level output, stable work under -196°C environment; small size, high accuracy, long life, a variety of mounting threads can be selected; special type up to -250°C , with external The transmitter outputs 4-20mA current or 0-5VDC voltage signal, and our professional technical group provides customized services for you.

Applications


Low temperature scientific experiments, liquid oxygen, liquid nitrogen, liquid hydrogen, liquid helium, etc. Pressure low temperature measurement of cooling tanks, low temperature storage tanks, propellants, etc.

Low-temperature storage tanks for aerospace, aviation, ships, etc.

Technical Parameters

Measured Medium	Gas, liquid and steam
Pressure Type	Absolute pressure, gauge pressure
Pressure Range	0~6bar, 16bar, 100bar, 160bar, 250bar, 400bar, 600bar
Power Supply	10VDC, 9~36VDC (external transmission)
Output Signal	0~20mV, 0~50mV; External transmission output: 4~20mA, 0~10VDC, 0~5VDC, 0.5~4.5VDC can be selected
Mounting Thread	M10×1
Electrical Interface	Direct outlet
Non-linearity	0.1% FS, 0.2% FS
Repeatability	0.1% FS
Accuracy	± 0.1% FS, ± 0.25% FS, ± 0.5% FS optional
Temperature Coefficient	0.025% FS / °C
Long-term Stability	0.25% FS / year
Working Medium Temperature	-196 °C ~ 155 °C
Working Environment Temperature	-196 °C ~ 155 °C

Definition of Wiring

Direct outgoing		
		Cable color
	Power supply	red
	Negative power	black
	Signal positive	green
	Signal negative	white

CONTACT US

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