

# CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



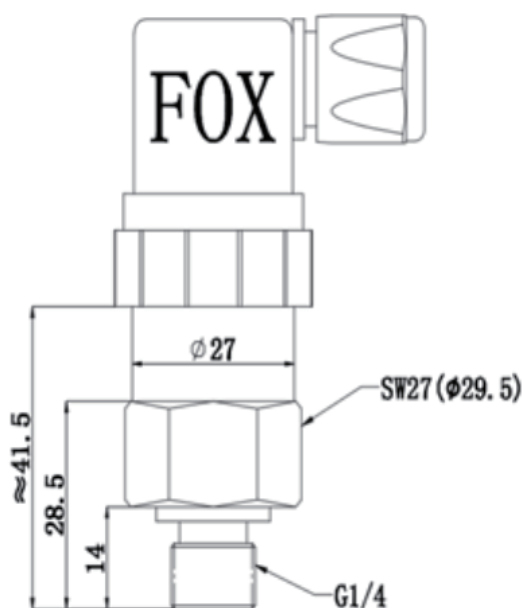
## 16

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

Provide one-stop customization services  
for various sensors

## PPM-T227A

### Pressure Transmitter for Servo System



#### Product Introduction

PPM-T227A is a high-performance pressure measurement product specially designed for servo systems. It adopts classic strain technology and integrated structure design. It can withstand frequent pressure shock, vibration, high overload, and has a high level of anti-cavitation and liquid-proof. Hammer capability, suitable for all kinds of harsh heavy industry environment, and has the advantage of ultra-low price, can be customized by OEM.

#### Applications

Electro-hydraulic servo systems and equipment, hydraulic stations, hydraulic presses, experimental machines, various types of heavy machinery, engineering machinery, agricultural machinery, wind power hydraulic and pneumatic control, engines, internal combustion engines, diesel engines, heat generating units, steam turbines, hydraulic turbines, locomotive braking systems, Hydraulic and pneumatic control equipment, industrial process detection and control, pump valves and compressors.

## Technical Parameters

Measured Medium	Gas, liquid and steam (fluid which is not corrosive to 316L stainless steel)
Pressure Type	Gauge pressure or customization
Pressure Range	0~160bar, 250bar, 350bar, 400bar, 600bar, 700bar, 1000bar
Power Supply	9~32VDC
Built-in Amplifier Output	0~10VDC, 0~5VDC, 1~5VDC, 0.5~4.5VDC
Non-linearity	≤0.2% FS
Repeatability	0.2% FS
Accuracy	0.5% FS
Working Medium Temperature	-40℃~+85℃
Working Environment Temperature	-40℃~+75℃
Zero Temperature Drift	≤0.03% FS / °C
Safe Overload Pressure	150% FS (1.5 times full scale)
Breaking Pressure	200% FS (2 times full scale)
Connection Method	G1 / 4 external thread
Wetted Material	Diaphragm: 17-4PH stainless steel, others: 304 stainless steel
Enclosure Protection Class	IP54
Electrical Output Lead	DIN43650 connector (Hirschmann connector)

## Definition of Wiring

Hirschmann Connector			
		2-wire system	3-wire system
	Power supply	1	1
	Negative power	2	2
	Signal positive	—	3

## CONTACT US

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