

# CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



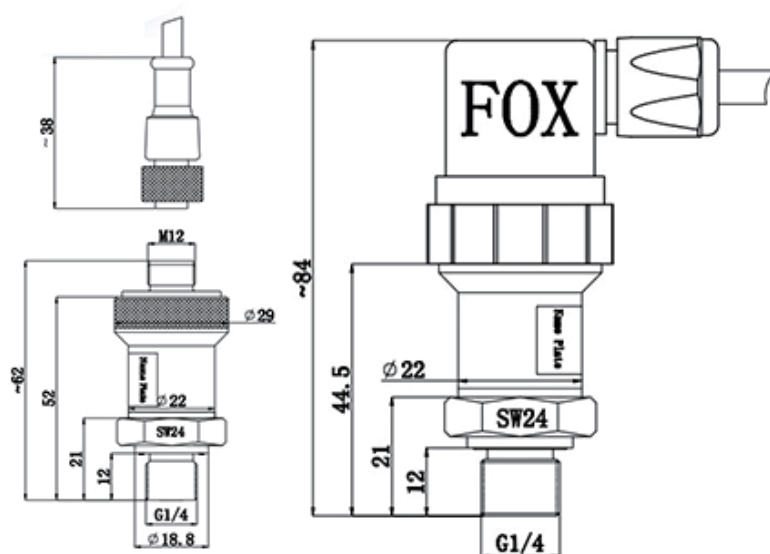
## 16

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

Provide one-stop customization services  
for various sensors

## PPM-T222H

## Pressure Transmitter



### Product Introduction

PPM-T222H series pressure transmitter adopts classic strain technology, integrated structure design, withstands frequent pressure shock, vibration, high overload, has a high level of anti-cavitation and liquid hammer capabilities, suitable for various severe heavy industrial environments .

### Applications

Electro-hydraulic servo systems and equipment, hydraulic stations, hydraulic machines, 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.

## Technical Parameters

Measured Medium	Gas, liquid and steam (non-corrosive fluid to 316L stainless steel)
Pressure Type	Gauge pressure or customization
Pressure Range	0~160bar, 250bar, 400bar , 600bar, 700bar , 1000bar
Power Supply	9~32VDC
Built-in Amplifier Output	4~20mA, 0~10VDC, 0~5VDC, 1~5VDC, 0.5~4.5 VDC(optional)
Non-linearity	≤0.2% FS
Repeatability	0.2% FS
Accuracy	0.5% FS
Long-term Stability	0.25% FS / year
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	500% FS (5 times full scale)
Connection Method	G1/4 external thread, M14×1.5 external thread or OEM designation
Wetted Material	Diaphragm: 17-4PH stainless steel, others: 304 stainless steel
Enclosure Protection Class	IP67
Electrical Output Lead	M12×1 connector, DIN43650 connector (Hirschmann connector)

## Definition of Wiring

Hirschmann Connector				M12 Connector			
		2-wire system	3-wire system			2-wire system	3-wire system
	Power supply	1	1		Power supply	1	1
	Negative power	2	2		Negative power	2	2
	Signal positive	—	3		Signal positive	—	3

## CONTACT US

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