

CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



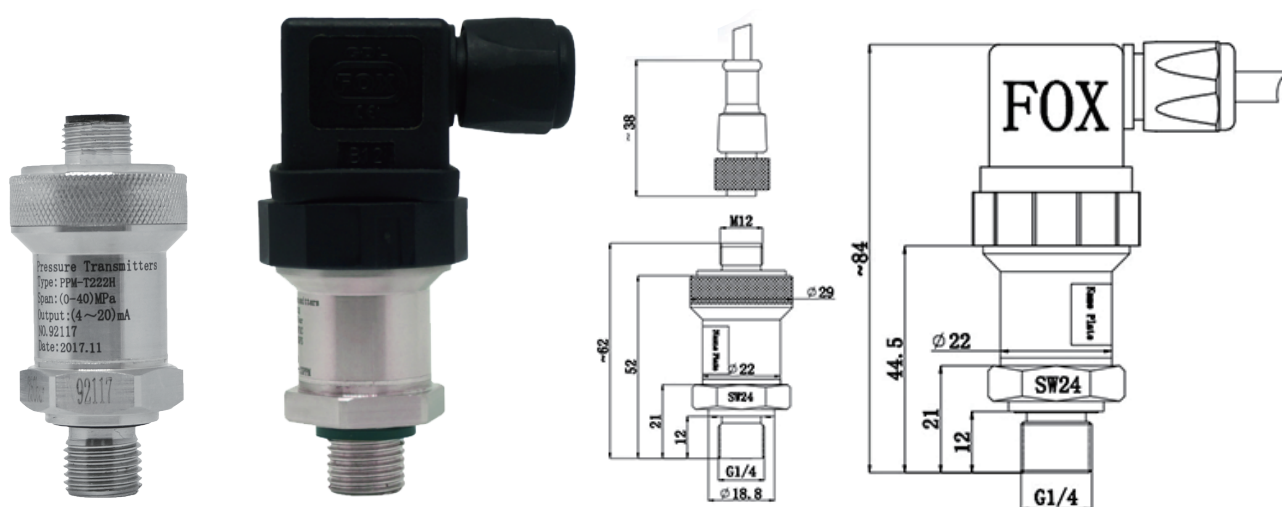
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Years of experience in sensor R&D,
manufacturing and production

Provide one-stop customization services
for various sensors

PPM-T322H

Pressure Transmitter



Product Introduction

PPM-T322H series pressure transmitter adopts classic thin-film technology, which has the characteristics of high accuracy, With high accuracy, long working life, wide applicable temperature range, good long-term stability, low power consumption, no hysteresis, and good repeatability. Withstands frequent pressure shocks, vibrations, high overloads, has a high level of anti-cavitation and liquid hammer capabilities, suitable for all kinds of harsh 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	Ventilator gauge pressure
Pressure Range	0~10bar, 16bar, 25bar, 40bar, 60bar, 160bar, 250bar, 400bar, 600bar, 700bar
Power Supply	9~32VDC
Built-in Amplifier Output	4~20mA, 0~10VDC, 0~5VDC, 1~5VDC, 0.5~4.5 VDC
Non-linearity	≤0.25% FS (10bar, 16bar, 25bar); ≤0.05% FS (≥40bar)
Repeatability	0.1% FS; Comprehensive accuracy: 0.5% FS
Accuracy	0.5% FS
Long-term Stability	0.15% FS / year
Working Medium Temperature	-40°C~+125°C
Working Environment Temperature	-40°C~+105°C
Response Time	≤1ms (10% ~ 90%) typical value
Insulation Resistance	≥1000 MΩ / 100V
Safe Overload Pressure	150% FS (1.5 times full scale)
Breaking Pressure	500% FS (5 times full scale)

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

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