

CHANGSHA TAIHE ELECTRONIC EQUIPMENT CO.,LTD.

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

Position sensor | Torque | Internet of Things



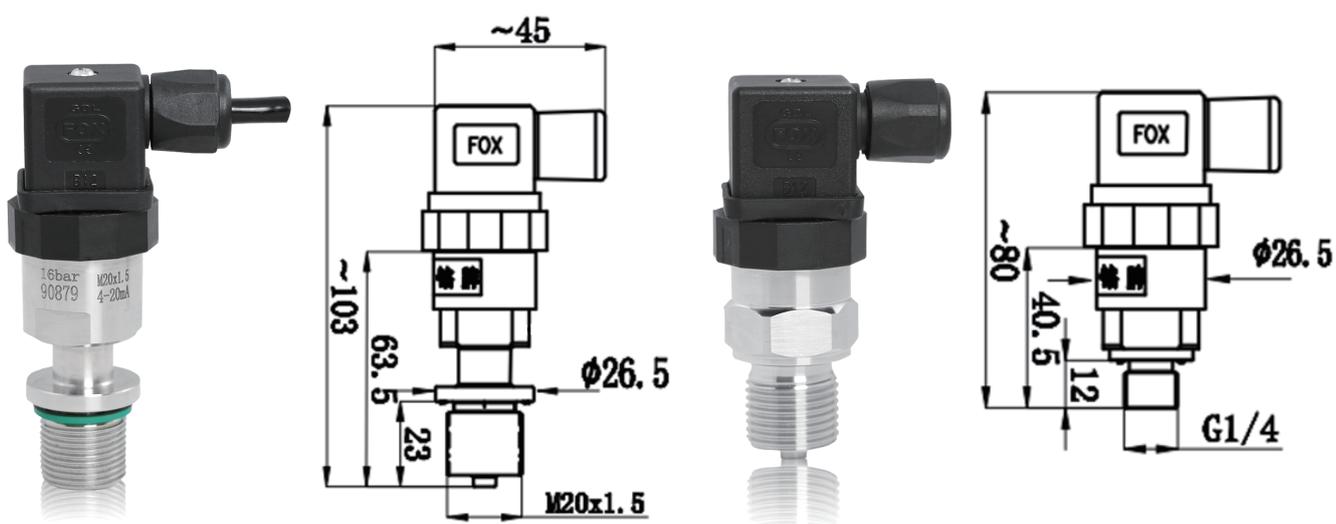
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Years of experience in sensor R&D,
manufacturing and production

Provide one-stop customization services
for various sensors

PPM-T428

Pressure Transmitter



Product Introduction

PPM-T428 series pressure transmitter adopts piezoresistive OEM sensitive components imported from Germany and is precision packaged in a stainless steel housing. It has the characteristics of high accuracy, high sensitivity, corrosion resistance, wide operating temperature range, long life and high cost performance. Designed for air and water applications, more and more used for constant pressure water supply, environmental protection equipment, gasoline and diesel engine pressure, air conditioning cooling pressure, industrial equipment pressure measurement.

Applications

Water supply, boiler, environmental protection equipment, fireplace, Valves and compressors, booster pumps, Electro-hydraulic servo systems and equipment, agricultural machine, Engine, internal combustion engine, diesel engine, heat generating unit, steam turbine, water turbine, locomotive braking system, 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 custom made
Pressure Range	0~1bar, 6bar, 10bar, 0~16bar...60bar
Power Supply	9~32VDC
Output Signal	4~20mA, 0~10VDC, 0~5VDC, 1~5VDC, 0.5~4.5 VDC
Accuracy	0.5% FS, 1% FS
Long-term Stability	0.25% FS / year
Working Medium Temperature	-40°C~+85°C
Working Environment Temperature	-40°C~+75°C
Zero Temperature Drift	≤0.03% FS / °C
Sensitivity Temperature Drift	≤0.03% FS / °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)
Connection Method	M20×1.5 external thread, G1/4 external thread, G1/2 external thread
Enclosure Protection Class	IP54
Electrical Output Lead	M12×1 connector, 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

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