

Pressure Transmitter Introduction



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Changsha YiXinGan Technology Co., Ltd.

Company Profile

Chang sha YiXinGan company is located in the beautiful city of Chang Sha. The company is mainly engaged in the production and sales of sensors, instruments and meters, soldering stations and other related products. All the products have through the CE 、 RoHS authentication.

Company's philosophy is Integrity, Efficiency, Co-creation, and Win-win. We are committed not only to providing efficient service to our customers but also to offe them the best solutions.

The company offers tailored solutions to meet the specific requirements of various clients.



Transportation Equipment



Wind Power Equipment



Chemical Fiber Equipment

Scope of application



Chemical Equipment



Food Industry



Electrical Equipment

Product Introduction



Product features:

- Multiple Process connection optional
- Superior repeatability
- Multiple output signals optional
- Strong antiinterference ability
- Superior long term stability

P series pressure products are carefully involved in the customer's industry working conditions, and adopt various processes to meet the actual needs of customers, mainly including ceramic piezoresistive, diffused silicon, glass micro dissolution and strain gauge technology.

P-Series Pressure Transmitter

P200 Ceramic piezoresistive pressure transmitter

Applications:

Various dynamic and static gas and liquid media pressure measurement .

Technical Parameters:

Pressure Range	0~2bar~400bar
Accuracy	±0.5%FS、±1.0%FS(Optional)
Temperature.Effect	2%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	±0.5%FS
Span Error	±0.5%FS
Response Time	≤5ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、Ceramics
Shell Protection	IP65/IP67
Vibration	100g, 20-2000Hz
Authentication	CE、RoHS



P200V Pressure transmitter for air conditioning

Applications:

Various gases and liquids in air compressor and refrigeration equipment pressure measurement .

Technical Parameters:

Pressure Range	0~2bar~100bar
Accuracy	±0.5%FS、±1.0%FS(Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-40°C~85°C
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤5ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、Ceramics、Cu
Shell Protection	IP65/IP67
Vibration	100g, 20-2000Hz
Authentication	CE、RoHS



P-Series Pressure Transmitter

P201 Compact pressure transmitter

Applications:

Various dynamic and static gas and liquid media pressure measurement .

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-40°C~85°C
Zero Error	$\pm 0.5\%FS$
Span Error	$\pm 0.5\%FS$
Response Time	$\leq 3ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P201S Hydraulic special type pressure transmitter

Applications:

Hydraulic machinery and other high pressure fluid pressure measurement.

Technical Parameters:	
Pressure Range	0~10bar~1000bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	2%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-40°C~85°C
Zero Error	$\pm 0.5\%FS$
Span Error	$\pm 0.5\%FS$
Response Time	$\leq 2ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304
Shell Protection	IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P-Series Pressure Transmitter

P202 Standard pressure transmitter

Applications:

Petroleum, chemical, metallurgy, electric power, hydrology and other industrial processes pressure measurement.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	No-display:-30°C~85°C With LED display: -20°C~60°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 5ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP65/IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS、EX



P202V Economic of standard pressure transmitter

Applications:

Various dynamic and static gas and liquid media pressure measurement.

Technical Parameters:	
Pressure Range	0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 20ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP65
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P-Series Pressure Transmitter

P202H High pressure pressure transmitter

Applications:

High pressure test bench, water jet cutting, high pressure cleaning, etc.

Technical Parameters:

Pressure Range	80Mpa~1000Mpa
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 20ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、17-4PH
Shell Protection	IP65/IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS、Ex



P203 Temperature-pressure integrated transmitter

Applications:

Precise measurement of fluid pressure and temperature in various industries at the same time.

Technical Parameters:

Pressure Range	-100kpa~0 & 0~10kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 5ms$ (Pressure), $t 0.9=10sec$ (Temperature)
Fatigue Life	More than 100 million designs
Wetted Parts Material	Material: SS304、SS316L
Protection tube diameter	6mm、8mm、etc.
Shell Protection	IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P204 Intelligent Pressure Switch

Applications:

Pump, hydraulic, pneumatic equipment and other industrial control field applications.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~1000bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-20°C~60°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 5ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、17-4PH
Shell Protection	IP65
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P205 Anticorrosive pressure transmitter

Applications:

Measurement and control of gauge pressure, absolute pressure and negative pressure of corrosive gas and liquid in petroleum, chemical, metallurgical, electric power and environmental protection industries.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~100bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 30ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	PVDF、PTFE、SS316L
Shell Protection	IP65/IP67
Vibration	50g, 50-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P206 Flameproof pressure transmitter

Applications:

Fluid pressure in the automation field requiring explosion-proof requirements.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-30°C~85°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 30ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L、17-4PH
Shell Protection	IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P207 Intelligent pressure controller

Applications:

Various dynamic and static gas and liquid media pressure measurement.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-20°C~70°C
Display way	0.56" LED Range : -1999~1999
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 30ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP64/IP67
Vibration	50g, 50-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P208 Industrial type pressure transmitter

Applications:

Constant pressure water supply, boiler pressure control and other water, oil and slightly corrosive liquid and gas.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	No-display: -40°C~85°C LED Display: -20°C~60°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 30ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P210 High performance pressure transmitter

Applications:

Motor vehicle performance test, engine bench test, various laboratories and other industrial precision pressure measurement and control.

Technical Parameters:	
Pressure Range	-100kpa~0 & 0~5kpa~700bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	-40°C~125°C
Zero Error	$\pm 0.5\%FS$
Span Error	$\pm 0.5\%FS$
Response Time	P210: $\leq 5ms/\leq 500Hz$ P310: $\leq 1ms/\leq 1kHz\sim 5kHz$ P310: $\leq 0.1ms/\leq 10kHz\sim 20kHz$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304、SS316L
Shell Protection	IP65/IP67
Vibration	40g, 50-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P210T Semiconductor specific pressure transmitter

Applications:

Ultra pure media and special gas systems in semiconductor, photovoltaic, and liquid crystal panel manufacturing equipment..

Technical Parameters:

Pressure Range	0-20kpa~300bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-10°C~70°C
Working Temp.	-20°C~105°C
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 5ms/\leq 500Hz$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L VAM-VAR
Shell Protection	IP65/IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS、Ex



P211 Hygienic type pressure transmitter

Applications:

Pressure or liquid level measurement in food and drug production equipment and pipelines.

Technical Parameters:

Pressure Range	-100kpa~0 & 0~20kpa~35bar
Accuracy	$\pm 0.25\%FS$ 、 $\pm 0.5\%FS$ (Optional)
Temperature.Effect	1.5%FS/100°C
Compensate Temp.	-20°C~80°C
Working Temp.	Non-display: -40°C~125°C Display with LED: -20°C~70°C
Measuring Medium Temp.	Filled Silicone Oil: -40°C~125°C -40°C~250°C(Adding connectors)
Zero Error	$\pm 1\%FS$
Span Error	$\pm 1\%FS$
Response Time	$\leq 30ms$
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L、HC、MON、PTFE
Shell Protection	IP65/IP67
Vibration	10g, 25-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P213 Cylindrical type hygienic pressure transmitter

Applications:

Viscous media in chemical industry, coal mine, food, papermaking, polyurethane equipment and other industries pressure measurement.

Technical Parameters:	
Pressure Range	0~6bar~350bar
Accuracy	±0.5%FS、±1%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-20℃~80℃
Working Temp.	Non-display: -40℃~85℃ Display with LED: -20℃~70℃
Measuring Medium Temp.	Filled Silicone Oil: -40℃~125℃ -40℃~250℃(Adding connectors)
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤30ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L
Shell Protection	IP65/IP67
Vibration	10g, 20-2000Hz
Authentication	CE、RoHS、Ex



P214 Plain membrane type pressure transmitter

Applications:

Viscous media in chemical industry, coal mine, food, papermaking, polyurethane equipment and other industries pressure measurement

Technical Parameters:	
Pressure Range	0~10bar~3000bar
Accuracy	±0.25%FS、±0.5%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-20℃~80℃
Working Temp.	Non-display: -40℃~85℃ Display with LED: -20℃~70℃
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤30ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304
Shell Protection	IP65/IP67
Vibration	10g, 25-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P202C Compact differential pressure transmitter

Applications:

Various gases and liquids in water pumps, compressors, water supply pipelines and other occasions. pressure measurement.

Technical Parameters:	
Pressure Range	0~5kpa~60bar
Accuracy	±0.5%FS、±1%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-20℃~80℃
Working Temp.	Non-display: -40℃~85℃ Display with LED: -20℃~70℃
Measuring Medium Temp.	Filled Silicone Oil: -40℃~125℃ -40℃~250℃(Adding connectors)
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤10ms(P202C); ≤30ms(P202CK)
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L、HC
Shell Protection	IP65/IP67
Vibration	10g, 25-2000Hz
Authentication	CE、RoHS、Ex



P202CP Micro differential pressure transmitter

Applications:

Building pressurization and air flow control.

Technical Parameters:	
Pressure Range	±100pa~±10kpa
Accuracy	±0.1%FS、±0.5%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-20℃~80℃
Working Temp.	-20℃~60℃
Pressure Unit	Pa,mmH2o,mbar,,mm HG, KPa, hPa
Zero Error	±1%FS
Span Error	±1%FS
Response Time	0.5s,1s,2s,4s
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS304
Shell Protection	IP54
Vibration	40g, 25-2000Hz
Authentication	CE、RoHS、Ex



P-Series Pressure Transmitter

P202CB Air differential pressure transmitter

Applications:

Boiler air supply, underground ventilation and other power and coal industry process control fields.

Technical Parameters:

Pressure Range	0~1kpa~600kpa
Accuracy	±0.5%FS、±0.25%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-10℃~50℃
Working Temp.	-20℃~85℃
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤5ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L、HC
Shell Protection	IP54/IP67
Vibration	40g, 20-2000Hz
Authentication	CE、RoHS



P230/231/234 Battery digital pressure gauge

Applications:

Corrosion resistance, vibration resistance, digital pressure gauge can be used in a variety of complex environment.

Technical Parameters:

Pressure Range	-100kpa~0 & 0~5kpa~3000bar
Accuracy	±0.25%FS、±0.5%FS(Optional)
Temperature.Effect	1.5%FS/100℃
Compensate Temp.	-20℃~80℃
Working Temp.	-20℃~60℃
Measuring Medium Temp.	Filled Silicone Oil: -40℃~125℃ -40℃~250℃(Adding connectors)
Zero Error	±1%FS
Span Error	±1%FS
Response Time	≤5ms
Fatigue Life	More than 100 million designs
Wetted Parts Material	SS316L、HC、MON、PTFE
Shell Protection	IP65/IP67
Vibration	10g, 20-2000Hz
Authentication	CE、RoHS、Fxx

