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Shenzhen OULD Instrument CO.,Ltd.

Main products

Ceramic sensor & module, pressure transmitters, level transmitters and temperature transmitters



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ABOUT OULD



Shenzhen Ould Instrument Co., Ltd., founded in 2002 and headquartered in Shenzhen, is a professional high-tech enterprise specializing in R&D, production, sales and service of pressure, temperature and level transmitters. Our products are widely used in water pumps, air compressors and industrial automation, holding a significant share in the domestic water pump and air compressor sensor market. We are also authorized distributor for the automation components of Hirschmann, Lumberg, Metallux, IST, and HTP in China.

Currently, we have approximately 200 employees and operate two international marketing centers in Shenzhen and Shanghai. Our factories covers 20,000m², including 85,00m² cleanroom. The Shenzhen factory occupies 5,000m², and the Beihai factory covers 15,000m². Equipped with advanced devices such as temperature compensation testing equipment, laser trimming machines and automatic soldering machines, and multiple quality inspection processes, we ensure stable product performance and quality control compliant with ISO 9001 standards. With skilled workers and advanced automation equipment, our monthly capacity reaches 400,000 pressure sensors and 300,000 finished temperature and pressure transmitters.

Our slogan is: "Quality First, Customer Foremost". We adhere to this concept to provide reliable, accurate and cost-effective sensor solutions for global customers.

2002
Ould Set Up

2002, OULD was established in Shenzhen, China, and successfully entered the industrial instrumentation industry.

2005
Petrochemical industry

2005, OULD entered into the petrochemical industry, until today to provide quality products and services for the world's major petrochemical plants.

2008
Refrigeration industry

2008, OULD developed the air-conditioning and refrigeration industry and increased its presence in the industrial as well as the commercial market, with an anti-condensation design that meets all work demands.

2012
Air compressor

2012, OULD occupied the market in the field of water pumps, air compressors and hydraulics, and its products have gained high recognition in the market and become the most cost-effective products in the industry.

2020
IOT

2020, OULD company focused on the Internet, and vigorously developed R&D and production, expanding production capacity to meet the needs of different customers.

2023
Automobile industry

2023, OULD entered the automotive market with ceramic capacitive pressure sensors for automotive air-conditioning systems, engine systems, commercial vehicle brake systems, heat pumps for new energy vehicles and commercial air-conditioning.

2024
Set up a branch office

2024, OULD set up Beihai branch, with an area of 20,000 square meters and more than 30 CNC machines, mainly producing pressure sensors and ceramic piezoresistive sensors.

ensors and 300,000 finished temperature and pressure transmitters.

Our slogan is: "Quality First, Customer Foremost". We adhere to this concept to provide reliable, accurate and cost-effective sensor solutions for global customers.

PT-200 Diffused Silicon Pressure Transmitter

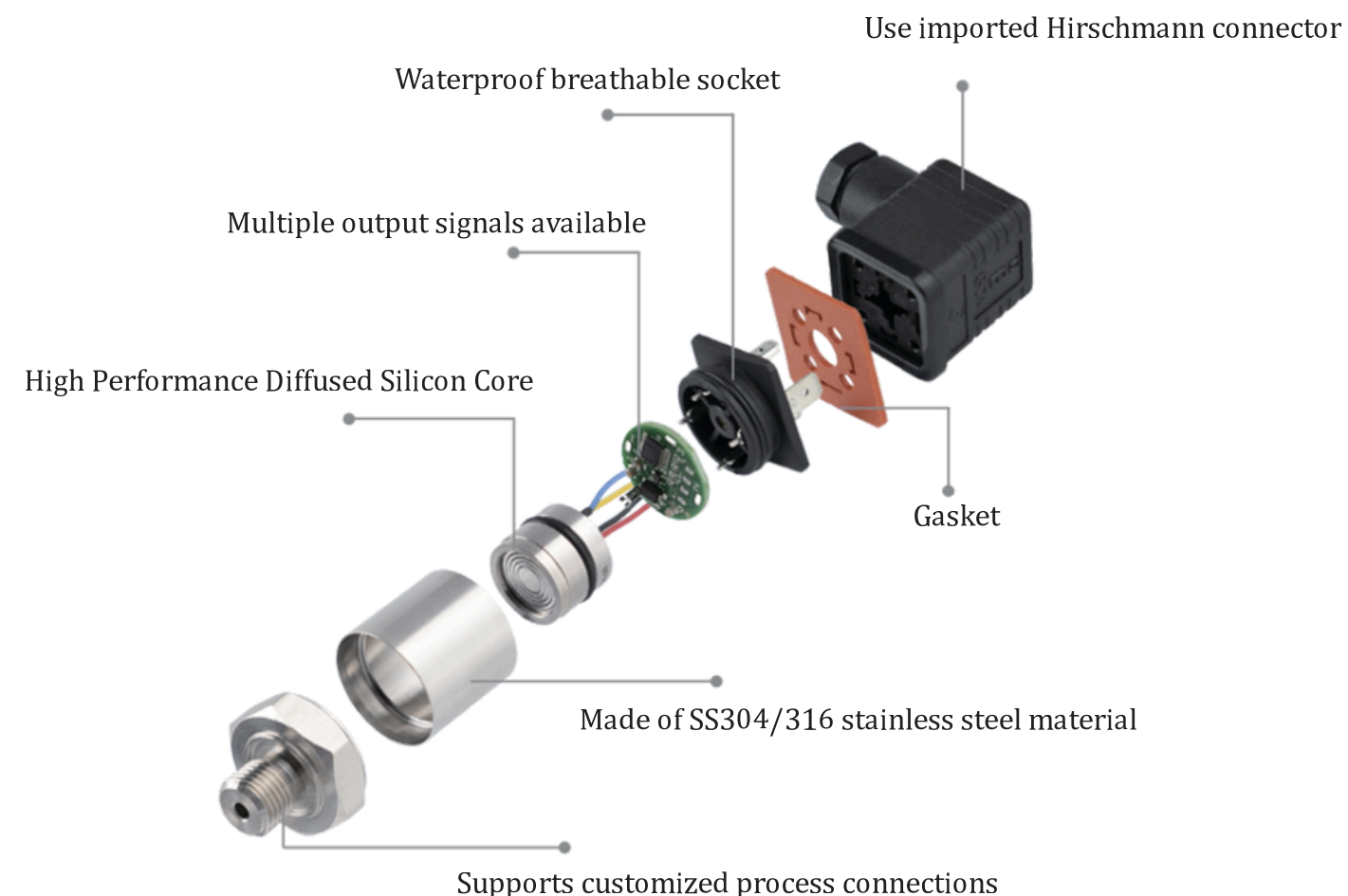
— DESCRIPTION —

PT-200 pressure transmitter adopts diffused silicon pressure sensor core. Through a high-reliability amplifier circuit, precision digital temperature compensation and nonlinear correction technology, it converts the pressure of the measured medium into 4~20MA, 0~10VDC analog signal, IIC, RS485 and other standard digital signals.

— FEATURES —

- High-performance diffused silicon sensor core is equipped with advanced chips dedicated to signal conditioning of highly integrated bridge pressure sensors.
- Digital temperature compensation and nonlinear correction.
- Multiple signal output, with self-opening mold plug, waterproof and breathable, perfect for Hirschmann, HTP and other conventional sockets, wide adaptability.
- Temperature compensation in all temperature zones, good electrical performance and long-term stability.
- The integral spinning of the plug and the shell is stable, reliable and waterproof, avoiding the loosening of the threads of ordinary plugs.
- Process connection can be customized.
- High-cost performance, one year warranty.

Product Exploded View



— APPLICATIONS —



Bottle blowing machine



Boiler



Hydraulic Press



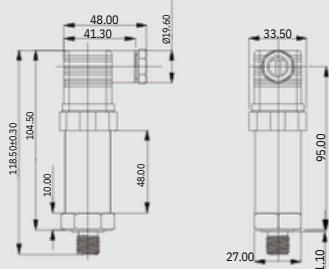
Heat pump unit



PT-201 Pressure Transmitter

Technical specifications	
Pressure range	-1~0~0.1~50bar
Accuracy	±0.2%FS、±0.5%FS
Output signal	IIC、485、0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized

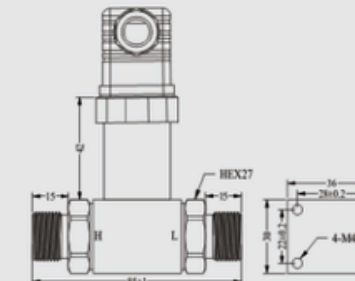
Dimensions (customizable)



PT-201D Pressure Transmitter

Technical specifications	
Pressure range	0~10KPa~2.5MPa
Accuracy	±0.2%FS、±0.5%FS
Output signal	IIC、485、0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized

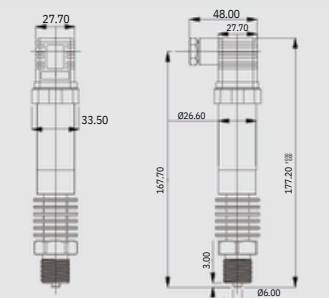
Dimensions (customizable)



PT-201 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.2%FS、±0.5%FS
Output signal	IIC、485、0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-40°C~200°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

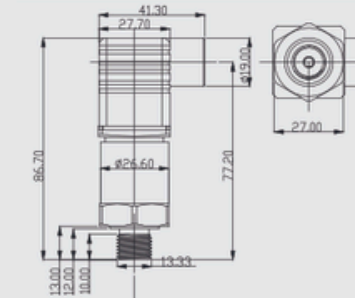
Dimensions (customizable)



PT-219 Pressure Transmitter

Technical specifications	
Pressure range	-1~0~0.1~50bar
Accuracy	±0.5%、±0.2%、±0.1%
Output signal	IIC、485、0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

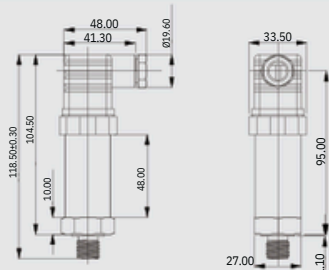
Dimensions (customizable)



PT-201 Pressure Transmitter

Technical specifications	
Pressure range	-1~0~0.1~50bar
Accuracy	±0.2%FS、±0.5%FS
Output signal	IIC、485、0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

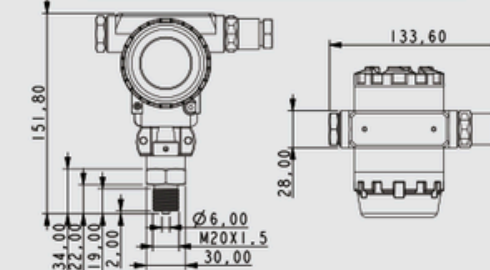
Dimensions (customizable)



PT-2088 Pressure Transmitter

Technical specifications	
Pressure range	0-2Kpa ~ 60Mpa
Accuracy	±0.5%FS、±1%FS
Output signal	4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	10V~36V
Process connection	G1/2 Conduit with threaded ends
Ingress protection	IP65

Dimensions (customizable)



PT-300 Air Pressure Transmitter

— DESCRIPTION —

PT-300 pressure transmitter adopts imported sensor core, stainless steel isolated compact structure, with a small size and convenient installation. With CE certification, it can directly replace a variety of similar imported products and can be customized according to our clients' needs.

— FEATURES —

- A variety of pressure ranges and electrical output
- Compact structure, aviation plug connection is more convenient and reliable
- Compact structure, more convenient and reliable aviation plug connection
- Ultra-stable technology
- High frequency dynamic response
- Suitable for high temperature environment
- Good long-term stability

— APPLICATIONS —



Air conditioning equipment



Air Compressor



Cutting Machine



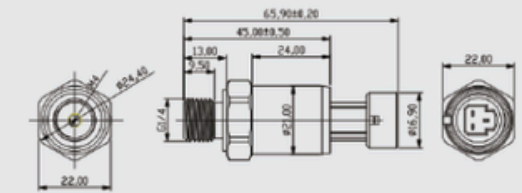
Air purification equipment



PT-301 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Parker Plug
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

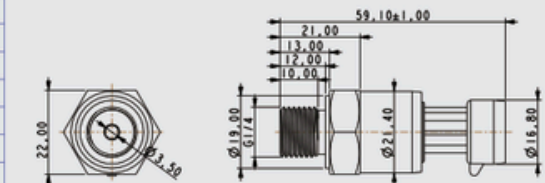
Dimensions (customizable)



PT-301L Pressure Transmitter

Technical specifications	
Pressure range	0~1bar~50bar
Accuracy	±0.5%FS
Output signal	0-5VDC, 4-20mA
Overload pressure	200%FS
Working temperature	-40~85°C
Temperature drift	±0.3%FS
Power supply	6-36V, 3.0-5.5V, 11-36V
Electrical connection	Parker Plug
Process connection	NPT1/8, G1/4etc, can be customized
Ingress protection	IP65

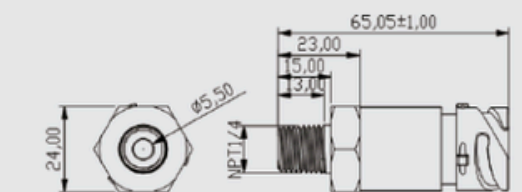
Dimensions (customizable)



PT-302 Pressure Transmitter

Technical specifications	
Pressure range	0~0.5bar~100bar
Accuracy	±0.5%FS
Output signal	0-5V, 4-20mA
Overload pressure	200%FS
Working temperature	-20~125°C
Temperature drift	±0.3%FS/year
Power supply	3.0-5.5VDC, 11-36VDC
Process connection	NPT1/8, G1/4etc, can be customized

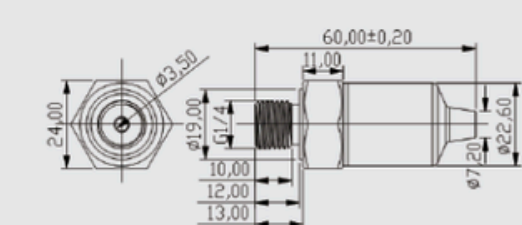
Dimensions (customizable)




PT-304 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Cable
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

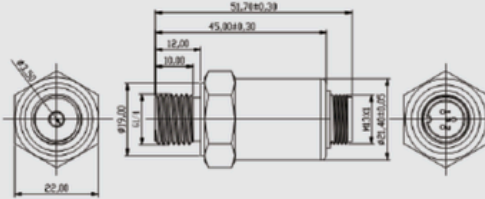


PT-306 Pressure Transmitter




Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	aviation plug
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

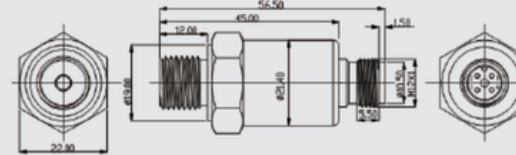


PT-312 Pressure Transmitter




Technical specifications	
Pressure range	0~1bar...50bar
Accuracy	±0.5%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3.0-5.5VDC, 11-36VDC
Electrical connection	M12 connector
Process connection	NPT 1/8, G1/4etc, can be customized
Ingress protection	IP66

Dimensions (customizable)

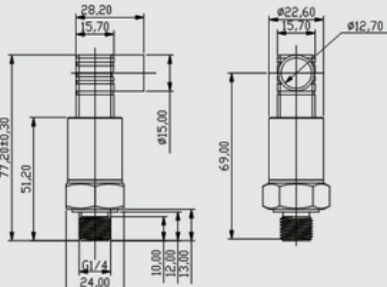


PT-307 Pressure Transmitter




Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

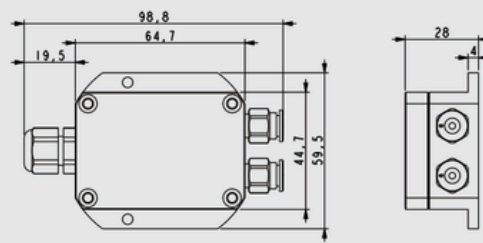


PT-016 Pressure Transmitter




Technical specifications	
Pressure range	0~250Pa~10KPa
Accuracy	±0.5%FS
Output signal	0-5V、4-20mA
Overload pressure	10KPa bursting pressure 30KPa
Working temperature	-20~125°C
Temperature drift	±0.2%FS/year
Power supply	12-36V
Electrical connection	Cable
Process connection	R1/4, G1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

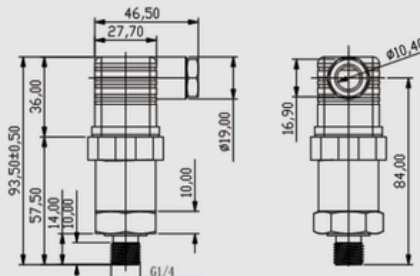


PT-309 Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5V, 1~5V, 0~10V, 4~20mA (2/3wires)
Overload pressure	200%FS
Working temperature	-40°C~125°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)



PT-3051 Pressure Transmitter



Technical specifications	
Pressure range	0~0.5bar~100bar
Accuracy	±0.5%FS
Output signal	0-5V、4-20mA
Overload pressure	200%FS
Working temperature	-20~125°C
Temperature drift	±0.3%FS/year
Power supply	3.0-5.5VDC、11-36VDC

PT-400 For Refrigeration Industry

— DESCRIPTION —

PT-401 pressure transmitter is a special product developed by our company for the refrigerant industry. Using the piezoresistive sensor core, it converts the pressure of the measured medium into a 4~20mA, 0~5VDC analog signal through a highly reliable amplification circuit and precision digital temperature compensation and non-linear correction technology. It's unique anti-condensation design prevents water vapor in the cavity from condensing and damaging the circuit board. High stability and high reliability can be widely evaluated in refrigeration industries such as air conditioners, refrigerators, freezers, water-cooled screw hosts, etc.

— FEATURES —

- Digital temperature compensation and non-linear correction
- Anti-condensation design to prevent condensation from affecting the product
- High sensitivity
- High precision

— APPLICATIONS —



In-Row Air Conditioner



Industrial Refrigeration Unit



Industrial freezer



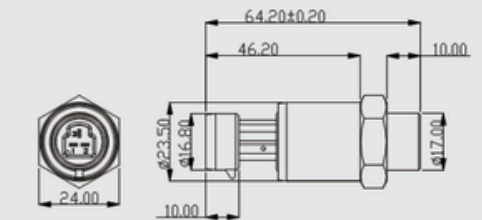
Water-Cooled Screw Chiller

PT-401 Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~6MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 11-36VDC
Electrical connection	Parker Plug
Process connection	7/16-20UNF, can be customized
Ingress protection	IP65

Dimensions (customizable)

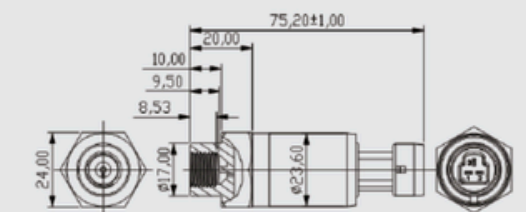


PT-401S Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~6MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 11-36VDC
Electrical connection	Parker Plug
Process connection	7/16-20UNF, can be customized
Ingress protection	IP65

Dimensions (customizable)

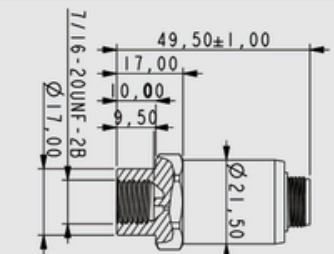


PT-406 Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~6MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 11-36VDC
Electrical connection	Aviation Plug
Process connection	7/16-20UNF, can be customized
Ingress protection	IP65

Dimensions (customizable)

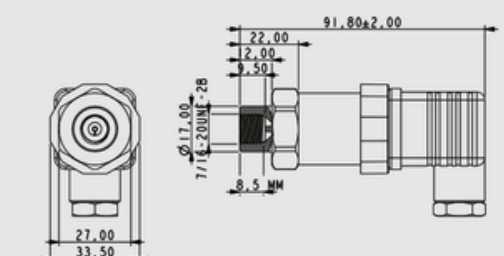


PT-409 Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~6MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized
Ingress protection	IP65

Dimensions (customizable)



PT-500 Water Pressure Transmitter

— DESCRIPTION —

PT-500 pressure transmitter is a special product developed by our company according to the needs of the water treatment industry. It is professionally waterproof against water hammer effect. Good electrical performance and long-term stability, making it the first choice for similar industries, and can directly replace many similar imported products.

— FEATURES —

- The terminal position is injection molded, and the protection level reaches IP68
- Built-in air guide tube, no deviation in gauge pressure
- Stainless steel 304 material
- Utilize advanced chips with high integration for signal conditioning of bridge-type pressure transmitters
- Temperature compensation in all temperature zones, good electrical performance and long-term stability
- Process connection can be customized
- High cost performance, one year warranty

— APPLICATIONS —



Agriculture equipment



Water Pump



Fire Fighting Unit



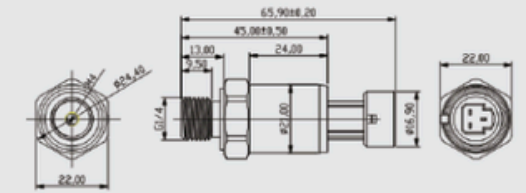
Water treatment equipment

PT-501 Pressure Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS、±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10-36VDC)
Electrical connection	Parker Plug
Process connection	G1/4, R1/4etc, can be customized

Dimensions (customizable)

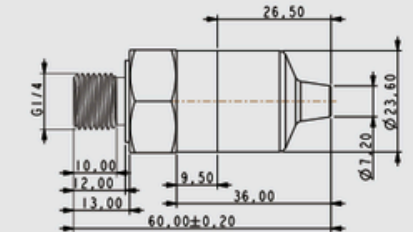


PT-504A Pressure Transmitter



Technical specifications	
Pressure range	0~1BAR~50BAR
Accuracy	±0.5%FS、±1%FS
Output signal	0~5VDC, 4~20mA, IIC, NTC 10K 3950
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	5VDC, 11-36VDC, 2.7-5.5V, ≤0.33mA
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized

Dimensions (customizable)

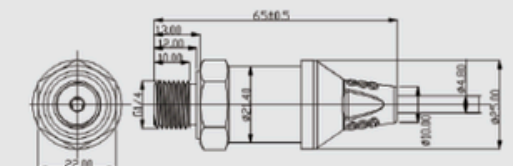


PT-504L Pressure Transmitter



Technical specifications	
Pressure range	-100kPa...0~100kPa...50bar
Accuracy	±0.5%FS、±1%FS
Output signal	0~5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 10-36VDC, 2.7-5.5V
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized

Dimensions (customizable)

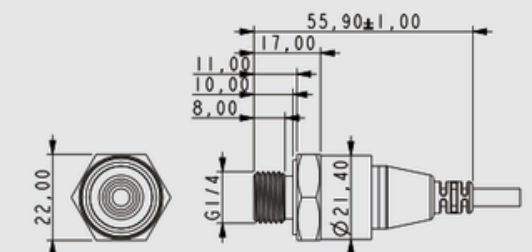


PT-505 Pressure Transmitter



Technical specifications	
Pressure range	-100kPa...0~100kPa...50bar
Accuracy	±0.5%FS、±1%FS
Output signal	0~5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 10-36VDC, 2.7-5.5V
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized

Dimensions (customizable)





PT-506 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10~36VDC
Electrical connection	Aviation Plug
Process connection	G1/4, G1/2, M20*1.5 etc.

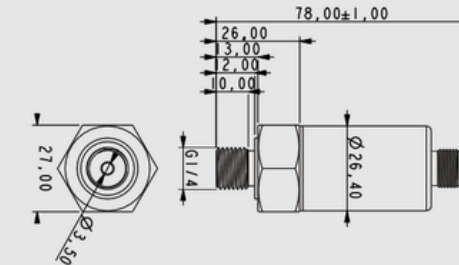
Dimensions (customizable)



PT-512 Pressure Transmitter

Technical specifications	
Pressure range	Gauge pressure 0~1bar...50bar
Accuracy	±0.5%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10~36VDC)
Electrical connection	M12 connector
Process connection	G1/4, R1/4etc, can be customized

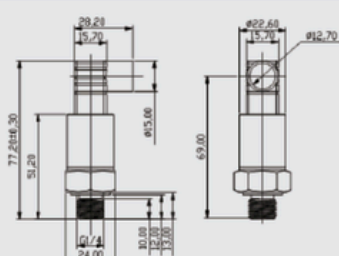
Dimensions (customizable)



PT-507 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~4MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0.5~4.5VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 24VDC (10~36VDC)
Electrical connection	Hirschmann
Process connection	G1/4, R1/4etc, can be customized

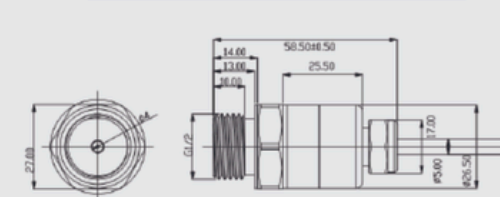
Dimensions (customizable)



PT-516 Pressure Transmitter

Technical specifications	
Pressure range	-100kPa...0 ~ 10kPa...60MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~5VDC, 4~20mA, IIC, IIC, SPI
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	5VDC, 11~36VDC, 2.7~5.5V, ≤0.33mA
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized

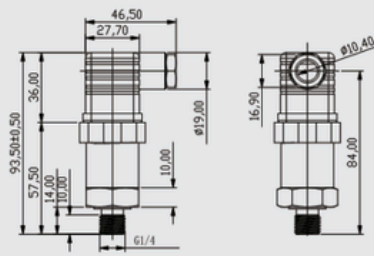
Dimensions (customizable)



PT-509 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~10MPa
Accuracy	±0.5%FS, ±1%FS
Power supply	24VDC (10~36VDC)
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Output signal	4~20mA, 0-10V, etc.
Electrical connection	Hirschmann
Process connection	G1/4, R1/4, etc., can be customized

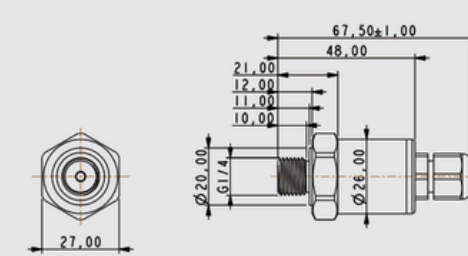
Dimensions (customizable)



PT-500 Pressure Transmitter

Technical specifications	
Pressure range	-100kPa...0 ~ 100kPa...50bar
Accuracy	±0.5%FS
Output signal	0-5V, 4-20mA
Overload pressure	200%FS
Working temperature	-40 ~ 85°C
Temperature drift	±0.03%FS/°C
Power supply	3-5.5VDC, 12-36VDC
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized

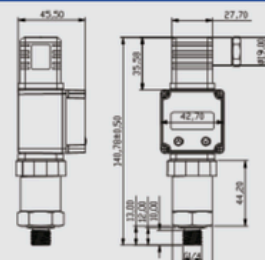
Dimensions (customizable)



PT-511 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~10MPa
Accuracy	±0.5%FS, ±1%FS
Power supply	24VDC (10~36VDC)
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Output signal	4~20mA, 0-10V, etc.
Electrical connection	Hirschmann
Process connection	G1/4, R1/4, etc., can be customized

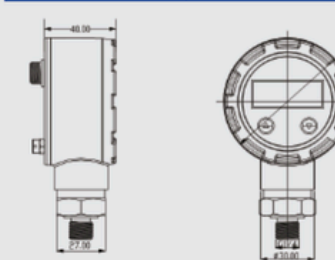
Dimensions (customizable)



PDU-512 Pressure Transmitter

Technical specifications	
Pressure range	-100kPa...0 ~ 10kPa...5MPa
Accuracy	±0.5%FS, ±1%FS
Output signal	0~10VDC, 4-20mA, RS485
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10~36VDC
Electrical connection	Cable
Process connection	G1/4, R1/2, etc.

Dimensions (customizable)



PT-600 Sanitary Pressure Transmitter

— DESCRIPTION —

Sanitary pressure transmitters are specifically designed for industries with extremely high requirements for hygienic conditions, such as the food, beverage, pharmaceutical, and medical device sectors. While ensuring accurate pressure measurement, we strictly adhere to hygienic standards to prevent product contamination.

— FEATURES —

- Material Safety: The parts in contact with the medium are made of non-toxic, harmless materials that meet relevant hygienic standards
- Structural Design: The surface is smooth and free of any dead corners, making it difficult for dirt to accumulate and reducing the risk of contamination.

— APPLICATIONS —



Beverage Equipment



Hygienic industry



Pharmaceutical industry



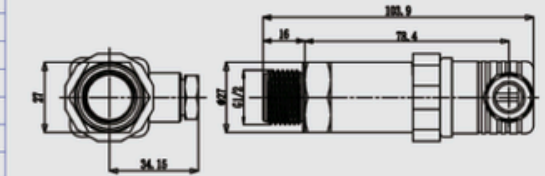
Food Processing Machinery



PT-605 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~10MPa
Accuracy	±0.25%FS, ±5%FS
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10-36VDC
Electrical connection	Hirschmann
Process connection	G1/4, etc., can be customized
Ingress protection	IP65

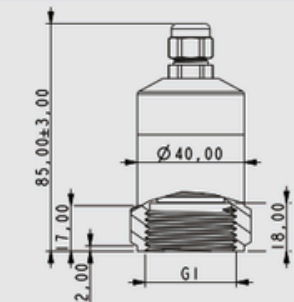
Dimensions (customizable)



PT-607 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~10MPa
Accuracy	±0.25%FS, ±5%FS
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10-36VDC
Electrical connection	Hirschmann
Process connection	G1/4, etc., can be customized
Ingress protection	IP65

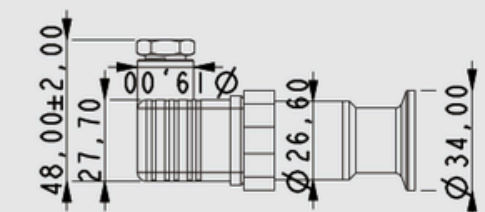
Dimensions (customizable)



PT-609 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~2MPa
Accuracy	±0.1%FS
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	10-36VDC, 24VDC
Electrical connection	Hirschmann
Process connection	G1/4, etc., can be customized
Ingress protection	IP65

Dimensions (customizable)



PT-700 Pressure Transmitter for High Pressure

— DESCRIPTION —

PT-700 pressure transmitter adopts imported sensor core body, stainless steel isolated small structure, small shape and easy installation. This product is especially suitable for using in a large range. It has good stability, a wide temperature range, and a service life of over ten million times. It is widely used in the fields of injection molding machines and construction machinery. With CE certification, it can directly replace many similar imported products. OEM manufacturing is available upon request.

— FEATURES —

- A variety of pressure ranges and electrical output
- Adapt to high temperature environment, good long-term stability
- The waterproof ring structure of the whole machine, the protection grade is IP65
- The power supply has reverse polarity protection, reliable performance, safe and convenient use
- Temperature compensation in all temperature zones, good electrical performance and long-term stability
- The process connection parts are laser welded and sealed with high reliability, preventing various sealing failures

— APPLICATIONS —



Injection molding machine



Die Casting Machine



Hydraulic Press



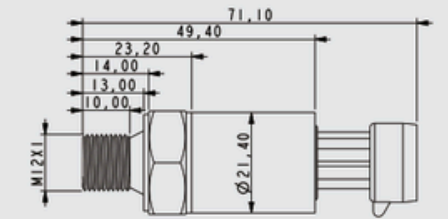
Construction Machinery



PT-701 Pressure Transmitter

Technical specifications	
Pressure range	0~100BAR~600BAR
Accuracy	±0.5%FS
Output signal	0~5VDC, 4~20mA, IIC, NTC 10K 3950
Overload pressure	2~1.25*FS%
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	5VDC, 11-36VDC, 2.7-5.5V, ≤0.33mA
Electrical connection	Parker plug
Process connection	G1/4, R1/4, etc., can be customized
Ingress protection	IP65

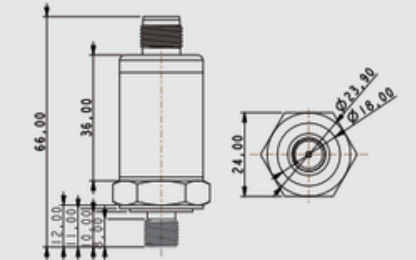
Dimensions (customizable)



PT-712 Pressure Transmitter

Technical specifications	
Pressure range	0~100BAR~600BAR
Accuracy	±0.5%
Output signal	0~10VDC, 4-20mA
Overload pressure	200%FS; 150%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	8-36VDC
Electrical connection	M12 connector
Process connection	G1/4, G1/2, M20*1.5 etc.
Ingress protection	IP65

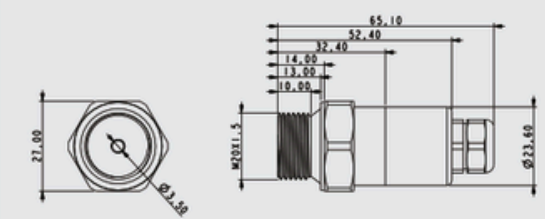
Dimensions (customizable)



PT-716 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~60MPa
Accuracy	±0.5%FS, ±1%FS
Power supply	24VDC (10-36VDC)
Overload pressure	2~1.25*FS%
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Output signal	4~20mA, 0-10V, etc.
Electrical connection	Cable
Process connection	G1/4, R1/4, etc., can be customized
Ingress protection	IP65

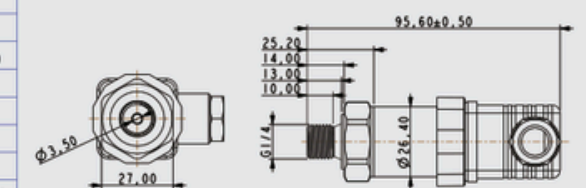
Dimensions (customizable)



PT-719 Pressure Transmitter

Technical specifications	
Pressure range	0MPa~0.1MPa~40MPa
Accuracy	±0.5%FS
Power supply	24VDC (10-36VDC)
Overload pressure	200%FS, 150%FS (above 20MPa)
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Output signal	4~20mA, 0-10V, etc.
Electrical connection	Hirschmann
Process connection	G1/2, M20*1.5, can be customized
Ingress protection	IP65

Dimensions (customizable)



PT-800

Automotive Pressure Transmitter

— DESCRIPTION —

Ceramic capacitive automotive pressure transmitters are precision sensing devices specifically designed for the automotive field. They are intended to accurately monitor various pressure parameters during vehicle operation, providing crucial data support for the safe and efficient running of vehicles.

— FEATURES —

- Adopt advanced ceramic capacitive principles.
- A compact and robust integrated structure design is adopted, greatly enhancing the sensor's resistance to vibration and shock.

— APPLICATION —



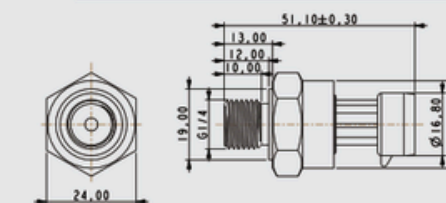
Automotive Industry

PT-801 Pressure Transmitter



Technical specifications	
Pressure range	0 ~ 0.5MPa...10MPa
Accuracy	±0.5%FS
Output signal	0-5VDC
Overload pressure	200%FS
Working temperature	-40°C~85°C
Electric Current	3.5mA
Power supply	5±0.5V (5.5-36V)
Electrical connection	Parker plug
Process connection	G1/4, NPT1/8, etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

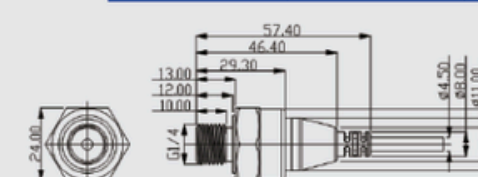


PT-804 Pressure Transmitter



Technical specifications	
Pressure range	0 ~ 0.5MPa...10MPa
Accuracy	±0.5%FS
Output signal	0-5VDC, 4-20mA
Overload pressure	200%FS
Working temperature	-40 ~ 125°C
Temperature drift	±0.3%FS/year
Power supply	5±0.5V - 12-36V
Electrical connection	Cable
Process connection	G1/4, NPT1/8, etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

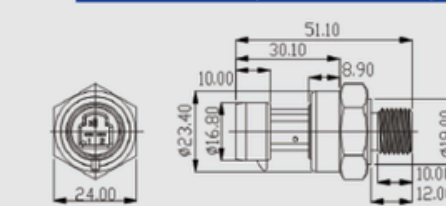


PT-811 Pressure Transmitter



Technical specifications	
Pressure range	0 ~ 0.5MPa...10MPa
Accuracy	±0.5%FS
Output signal	0-5VDC, 4-20mA
Overload pressure	200%FS
Working temperature	-40 ~ 125°C
Temperature drift	±0.3%FS/year
Power supply	5±0.5V - 12-36V
Electrical connection	Parker plug
Process connection	G1/4, NPT1/8, etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

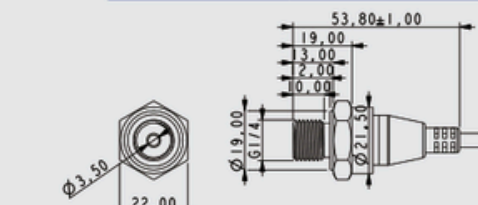


PT-854 Pressure Transmitter



Technical specifications	
Pressure range	0 ~ 0.5MPa...10MPa
Accuracy	±0.5%FS
Output signal	0-5VDC, 4-20mA
Overload pressure	200%FS
Working temperature	-40 ~ 125°C
Temperature drift	±0.3%FS/year
Power supply	5±0.5V - 12-36V
Electrical connection	Cable
Process connection	G1/4, NPT1/8, etc, can be customized
Ingress protection	IP65

Dimensions (customizable)

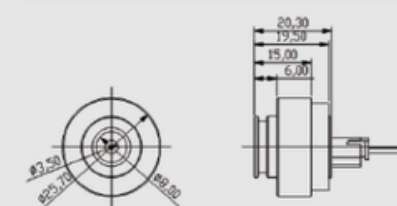


PT-850 Pressure Transmitter



Technical specifications	
Pressure range	-100kPa...0 ~ 100kPa...50bar
Accuracy	±0.5%FS
Output signal	0-5VDC
Overload pressure	200%FS
Working temperature	-40 ~ 85°C
Temperature drift	±0.3%FS/year
Power supply	3-5.5V
Material	Brass
Ingress protection	IP68

Dimensions (customizable)



PT-900 Submersible Level Transmitter

— DESCRIPTION —

Level transmitters, as crucial sensing devices, are mainly used to accurately measure the liquid-level height in various containers. They are widely applied in industrial production, daily life, and various professional fields, providing reliable data support for liquid-level monitoring and control.

— FEATURES —

- The housing is mostly made of corrosion-resistant and high-strength materials, such as 316L stainless steel, which can effectively resist chemical corrosion and mechanical impact.
- Good protection performance:
Level transmitters perform well in temperature adaptability.

— APPLICATIONS —



Deep well measurement



Oil Measurement



Pipe and tank measurements



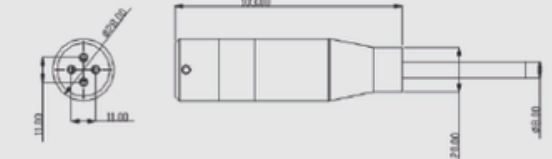
Groundwater measurement

PT-928 Level Transmitter



Technical specifications	
Pressure range	0-1000m
Accuracy	±1%、±0.5%、±0.2%、±0.1%
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10-36VDC
Electrical connection	Cable
Process connection	M20*1.5, can be customized
Ingress protection	IP68

Dimensions (customizable)

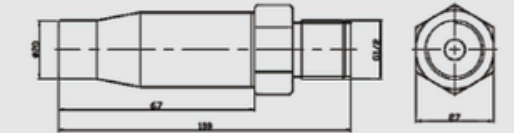


PT-988 Level Transmitter



Technical specifications	
Pressure range	0-1000m
Accuracy	±1%、±0.5%、±0.2%、±0.1%
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10-36VDC
Electrical connection	Cable
Process connection	M20*1.5, can be customized
Ingress protection	IP68

Dimensions (customizable)

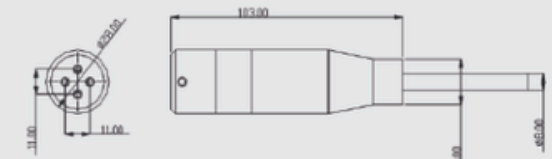


PT-9200 Level Transmitter



Technical specifications	
Pressure range	0-1000m
Accuracy	±1%、±0.5%、±0.2%、±0.1%
Output signal	0~10VDC, 4~20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	24VDC, 10-36VDC
Electrical connection	Cable
Process connection	M20*1.5, can be customized
Ingress protection	IP68

Dimensions (customizable)

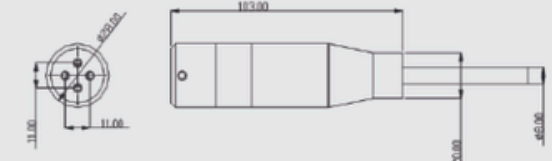


PT-9300 Level Transmitter



Technical specifications	
Pressure range	0MPa~0.1MPa~40MPa
Accuracy	±0.5%FS、±1%FS
Power supply	24VDC (10-36VDC)
Overload pressure	200%FS, 150%FS (above 20MPa)
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Output signal	4~20mA, 0-10V, etc.
Electrical connection	Cable
Process connection	G1/2, M20*1.5, can be customized
Ingress protection	IP68

Dimensions (customizable)



ST-100 Temperature Transmitter

— DESCRIPTION —

Temperature transmitter adopts imported platinum resistor core, and converts the temperature of the measured medium into 4~20mA, 0~5VDC analog signal through high-reliability amplifier circuit, precise digital temperature compensation and nonlinear correction technology. It is widely used in automobile, food, medicine, industrial automation, water pump, petroleum, chemical industry, pneumatic equipment, hydraulic equipment, air conditioning, air compressor and other fields.

— FEATURES —

- Imported platinum resistor, high performance
- Good electrical performance and long-term stability
- Compact and easy to install, reliable performance, safe and convenient to use

— APPLICATIONS —



Steam pipes



Dyeing industry



Power and utilities



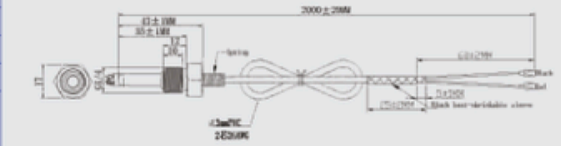
Chemical and petrochemical industry

ST-101 Temperature Sensor



Technical specifications	
Pressure range	0-150°C
Accuracy	Y level, A level, B level
Sensor type	PT100, PT1000, CU50, etc.
Power supply	Less than 1.5mA
Process connection	G1/4, M12*1.5, M10*1
Electrical connection	Two-wire system, three-wire system (protection tube can be equipped)

Dimensions (customizable)

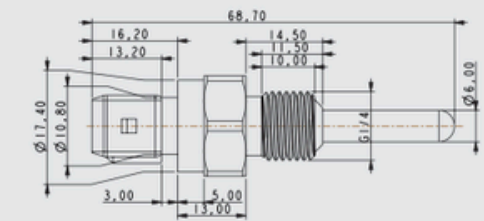


ST-102 Temperature Sensor



Technical specifications	
Pressure range	0-150°C
Accuracy	Y level, A level, B level
Sensor type	PT100, PT1000, CU50, etc.
Power supply	Less than 1.5mA
Process connection	G1/4, M12*1.5, M10*1
Electrical connection	Two-wire system, three-wire system (protection tube can be equipped)

Dimensions (customizable)

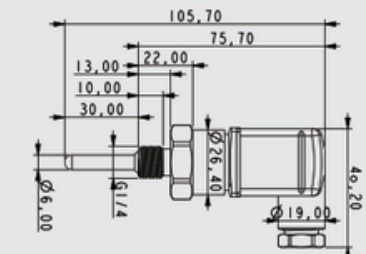


ST-209 Temperature Transmitter



Technical specifications	
Pressure range	-40~125°C
Accuracy	±0.5%FS, ±1%FS
Output signal	0~5VDC, IIC, 485, 4-20mA
Overload pressure	200%FS
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/°C
Power supply	3~5VDC, 10-36VDC
Electrical connection	Hirschmann
Process connection	G1/4, etc., can be customized
Ingress protection	IP65

Dimensions (customizable)

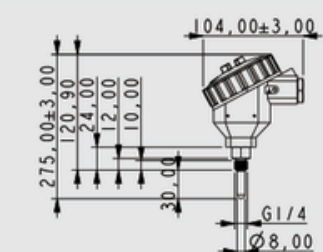


ST-205 Temperature Transmitter



Technical specifications	
Pressure range	-40~200°C
Accuracy	ABC level optional
Output signal	PT100, PT1000, 4-20mA
Power supply	0.3-1mA
Electrical connection	Wire/Terminal
Process connection	NPT1/8, G1/4, can be customized
Protection level	IP65

Dimensions (customizable)



Ceramic Pressure Sensor & Modules

— DESCRIPTION —

The OULD factory conducts production and R&D in strict accordance with the dust-free workshop standards, because it can effectively control the dust, microorganisms and other harmful substances inside the workshop, and ensure the cleanliness and hygiene standards of the production environment. Dust-free workshops are widely used in electronics, semiconductors, pharmaceuticals, food, chemical and other industries, and play a vital role in the production process.

— FEATURES —

- One of the advantages of the clean room is that it can effectively protect product quality.
- In the clean room, dust, bacteria and other pollutants are effectively controlled, which can ensure that the product is not polluted during the production process, thereby improving the quality and reliability of the product. In the electronics industry, the clean room can be effectively control static electricity and dust to ensure the quality of chips and other high-precision components.

— FACTORY VIEW —

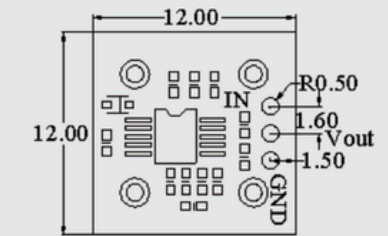


CP-200 Pressure Sensor Module

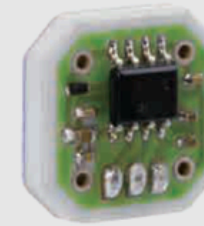


Technical specifications	
Range	0~1bar-50bar
Overload pressure	200%FS
Output signal	0-5V
Comprehensive accuracy	±0.5%
Temperature stability	±0.03 %/°C
Electrical Connection	Wire/Terminal

Dimensions (customizable)

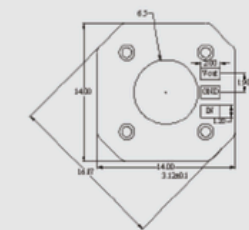


CP-210 Pressure Sensor Module



Technical specifications	
Range	0~1bar-50bar
Overload pressure	200%FS
Output signal	0-5V
Comprehensive accuracy	±0.5%
Temperature stability	±0.03 %/°C
Overpressure resistance	±40V

Dimensions (customizable)

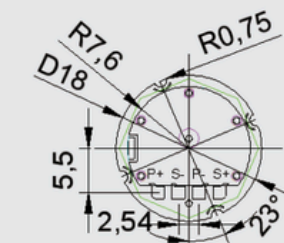


CP-310 Pressure Sensor



Technical specifications	
Range	0~5~200bar
Overload pressure	400%FS
Bridge resistance	11±30%KΩ
Zero signal	±0.2mV/V
Comprehensive accuracy	±0.5%
Power supply	2-30V

Dimensions (customizable)

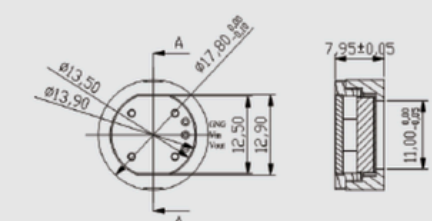


CP-205 Pressure Sensor Module



Technical specifications	
Pressure range	0~1bar~50bar
Accuracy	±0.5%FS
Output signal	0-5VDC
Overload pressure	200%FS
Working temperature	-40~85°C
Temperature drift	±0.03%/°C
Power supply	6-36V、3.0-5.5V

Dimensions (customizable)

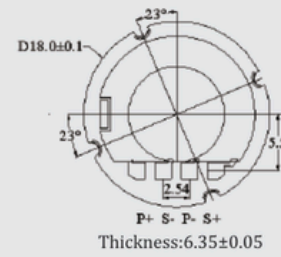


CP-100 Pressure Sensor

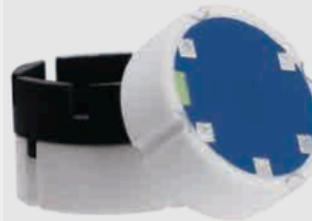


Technical specifications	
Range	0~2bar-400bar
Overload pressure	150%FS
Bridge resistance	11±30%KQ
Comprehensive accuracy	±0.5%
Zero signal	±0.2mV/V
Power supply	2-30V
Response time	<1ms
Full dot signal	1.5~4mV/V
Weight	≤7g

Dimensions (customizable)

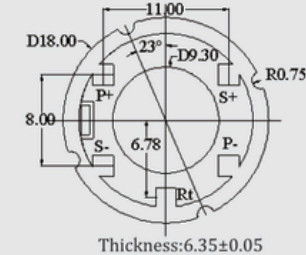


CP-102 Pressure Sensor



Technical specifications	
Range	0~2bar-400bar
Overload pressure	150%FS
Bridge resistance	11±30%KQ
Comprehensive accuracy	±0.5%
Zero signal	±0.2mV/V
Power supply	2-30V
Response time	<1ms
Full dot signal	1.5~4mV/V
Weight	≤7g

Dimensions (customizable)

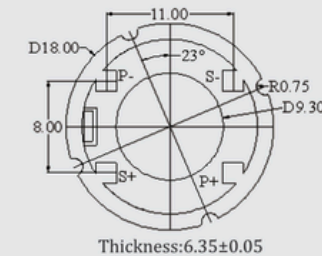


CP-104 Pressure Sensor



Technical specifications	
Range	0~2bar-400bar
Overload pressure	150%FS
Bridge resistance	11±30%KQ
Comprehensive accuracy	±0.5%
Zero signal	±0.2mV/V
Power supply	2-30V
Response time	<1ms
Full dot signal	1.5~4mV/V
Weight	≤7g

Dimensions (customizable)

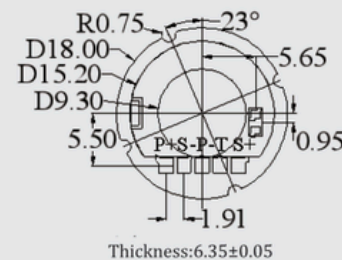


CP-108 Pressure Sensor



Technical specifications	
Range	0~2bar-400bar
Overload pressure	150%FS
Bridge resistance	11±30%KQ
Comprehensive accuracy	±0.5%
Zero signal	±0.2mV/V
Power supply	2-30V
Response time	<1ms
Full dot signal	1.5~4mV/V
Weight	≤7g

Dimensions (customizable)

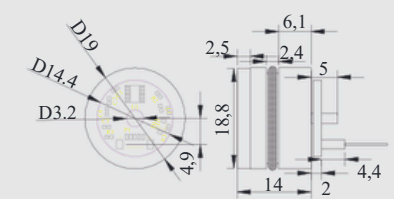


PM-10 Pressure Sensor Module

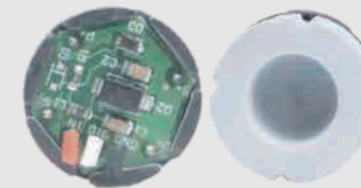


Technical specifications	
Range	0~1BP~50Bar
Output signal	IIC
Overload pressure	200%FS
Supply voltage	3~5VDC,10~32VDC
Comprehensive accuracy	±0.5%FS,±0.75%FS,±1%FS
Response time	10ms
Working temperature	-40°C~85°C
Temperature drift	±0.02%FS/C
Working current	<6 μA

Dimensions (customizable)

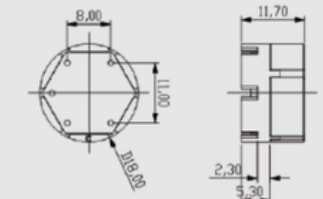


PM-18 Pressure Sensor Module

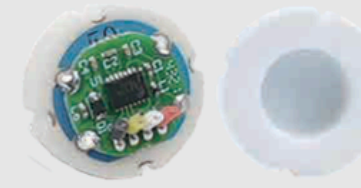


Technical specifications	
Range	0~1BP~50Bar
Output signal	0-5V/4-20mA
Overload pressure	200%FS
Supply voltage	3~5VDC,11~36VDC
Comprehensive accuracy	±0.5%FS
Response time	1ms
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/C
Electrical connection	wire/terminal
Material quality	alumina, fiber glass

Dimensions (customizable)

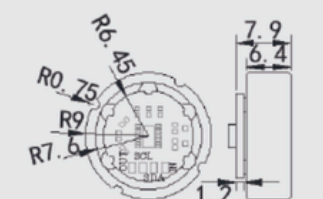


PM-18D Pressure Sensor Module

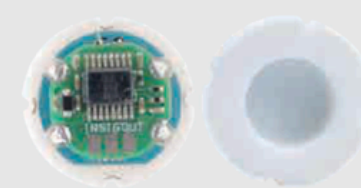


Technical specifications	
Range	0~1BP~50Bar
Output signal	IIC
Overload pressure	200%FS
Supply voltage	2.7-5.5VDC
Comprehensive accuracy	0.5% FS
Response time	10ms
Working temperature	-20°C~85°C
Temperature drift	±0.03%FS/C
Working current	Typ 0.7mA
Electrical connection	pad/lead

Dimensions (customizable)

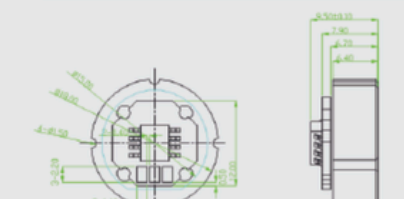


PM-18V Pressure Sensor Module

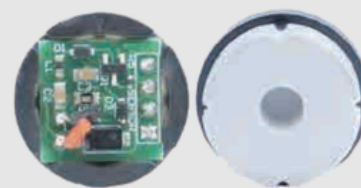


Technical specifications	
Range	0~1BP~50Bar
Output signal	0.5-2.5V/4.5V, 4-20mA
Overload pressure	200%FS
Supply voltage	3~5VDC,10~32VDC
Comprehensive accuracy	±0.5%FS, ±1%FS
Response time	10ms
Working temperature	-40°C~85°C
Temperature drift	±0.03%FS/C
Working current	2.5mA
Electrical connection	direct lead

Dimensions (customizable)

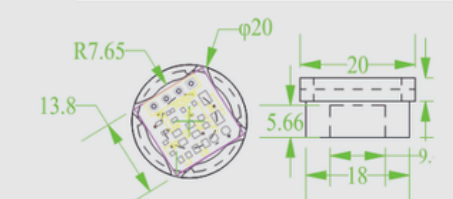


PM-18I Pressure Sensor Module



Technical specifications	
Range	0~1BP~50Bar
Output signal	0.5-2.5V/4.5V, 4-20mA
Overload pressure	200%FS
Supply voltage	3~5VDC,10~32VDC
Comprehensive accuracy	±0.5%FS, ±1%FS
Response time	10ms
Working temperature	-40°C~85°C
Temperature drift	±0.02%FS/C
Working current	2.5mA
Electrical connection	direct lead

Dimensions (customizable)



Pressure Transmitter Accessories

— DESCRIPTION —

To support more efficient and reliable applications, we not only provide high-quality pressure transmitters but also a wide variety of accessories. From electrical connectors and cables to mounting adapters and protective housings, these accessories enhance sensor compatibility and reliability. With comprehensive accessory support, customers can easily manage installation and maintenance in diverse environments, ensuring long-term stable performance.

— FEATURES —

- Wide Variety: Includes electrical connectors, cables, mounting adapters, and protective housings
- High Compatibility: Suitable for different models and applications
- Reliable & Durable: Ensures long-term stable sensor performance
- Easy Installation: Simplifies setup and maintenance

— FACTORY VIEW —



German Hirschmann Connector | GDM Series



Features: Rectangular plug-in connector with built-in electronic measurement components, designed for versatile applications and effective control of sensor and device connections.

Applications: Pressure transmitters, temperature transmitters, displacement sensors, solenoid valves, solenoids, and more.



German Hirschmann Connector | NR-Series



Features: Compact circular plug-in connector with a lightweight metal structure and tightly designed internal layout, offering superior and stable electrical conductivity.

Applications: Network data communication, electrical equipment signal transmission, and building automation control cable signal transfer.



HTP Connector



Features: Newly designed based on DIN43650 standard, meeting European quality requirements with competitive pricing; available in black, gray, and transparent housings with indicator light; optional built-in circuit available.

Applications: Pressure transmitters, temperature transmitters, displacement sensors, solenoid valves, and solenoids.

2-Wire LED Connector



Features: Rectangular plug-in design with built-in electronic measurement technology; flexible multi-solution compatibility for efficient control of sensor and device connections.

Applications: Pressure transmitters, temperature transmitters, displacement sensors, solenoid valves, and solenoids.



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