



邮箱: sales@xrtinstrument.com

地址: XRT Instrument Sales Headquarters (Beijing)

网址: www.xrtinstrument.com

XRT PRODUCT SOLUTIONS

Professionalism Builds Quality
Innovation Leads the Future

XRT INSTRUMENT

About Us

■ Our Company

XRT is a globally recognized china manufacturer of instrumentation, is a professional engaged in all kinds of pressure and temperature instrument design and development, manufacturing and sales in one of the enterprises.

Our reputation is built on high quality products, quick standard lead times, and exceptional customer support. We' re dedicated to providing our customers with complete satisfaction, from the first quote to the design and quality of the instrument they receive.XRT provides both standard and application specific products and is ready and willing to find a solution to all of your temperature and pressure needs.



National Standard Drafting Organization

Qingdao Brand

Top 100 Manufacturing Enterprises in Qingdao

ISO 9001 Certified Enterprise

■ Our Team

Professional Team:

XRT has a team of over 130 employees, including 20 engineers, with more than 80% holding senior professional titles. Our members undergo rigorous training and gain extensive practical experience, ensuring we deliver expert service and support to our clients.

Innovative Strength:

XRT's team is increasingly made up of young professionals who embrace challenges and drive continuous innovation, bringing fresh ideas and inspiration. Our team has successfully led dozens of projects to industry-leading positions and secured multiple patent certifications.

Teamwork and Collaboration:

The XRT team excels in unity and collaboration, believing strongly in the power of teamwork. Over the past 8 years, we've built over 400 sales and service networks and successfully delivered more than 100 large-scale projects, ensuring top quality and timeliness.

XRT INSTRUMENT

■ Our Culture



Customer First

XRT consistently focuses on customer needs, striving to meet their expectations and demands. We regularly conduct customer satisfaction surveys, with 90% of clients expressing high satisfaction with our products and services.



Quality First

Quality is the lifeline of XRT. We have established an advanced quality management system, achieving a product qualification rate of over 99.5%.



Integrity in
Business

Integrity is the cornerstone of XRT. Over the past 8 years, we have maintained a flawless record with no service disputes, earning the trust and respect of our clients.



People First

Employees are the most valuable asset of the company. We place great emphasis on their growth and development, offering extensive training and learning opportunities, and creating a comfortable and safe working environment.

Our Service

■ Our Solutions

Standard Product Sales:

We provide a wide range of pressure and temperature measurement instruments in various models and specifications, tailored to meet diverse industry needs. Our standard products undergo strict quality control and testing to ensure high performance and accuracy, delivering reliable measurement solutions.

Customized Service:

We provide tailored product customization to meet unique client needs. Customers can specify materials, measurement ranges, accuracy levels, and more. Our custom production ensures the final product precisely matches their requirements.

OEM and ODM Services:

As a leading instrument manufacturer, we provide OEM and ODM services. Our robust R&D and production capabilities enable us to offer end-to-end solutions—from design and manufacturing to packaging and branding—customized to client needs. These services help reduce costs, boost market competitiveness, and ensure mutual success.

■ Target Clients

Industrial Enterprises

Industrial Enterprises, including petrochemicals, power and energy, mechanical manufacturing, and food processing sectors, rely heavily on high-precision, stable, and durable instrumentation products. These are essential for continuous operation, safety monitoring, and process control, leading to improved efficiency, reduced failures, and lower maintenance costs.

Research Institutions

Research Institutions, covering disciplines like physics, chemistry, materials science, and biomedical research, focus on the scientific and educational value of instrumentation products. These products must provide high precision, sensitivity, and stability to support research and teaching, driving the translation and application of scientific discoveries.

Equipment Suppliers

Equipment Suppliers / System Integrators, serving automation, environmental protection, medical devices, and automotive sectors, prioritize compatibility, integration, and customization in instrumentation products. These products must integrate seamlessly into their systems, fulfilling varied customer demands and boosting overall performance and market competitiveness.

Distributors / Agents

Distributors / Agents, operating in sectors like industrial automation, environmental monitoring, and medical device sales, prioritize market competitiveness, brand strength, and after-sales support for instrumentation products. These products must have a solid market reputation and fulfill user needs to capture end-customer interest. Full technical support and after-sales services from the manufacturer are essential to ensure smooth sales and customer satisfaction.



■ Why Choose Us



Brand Influence

XRT Instruments has built substantial brand influence in industrial automation, leveraging its technical expertise, superior product quality, and outstanding customer service. By focusing on innovation and R&D, the company's products are widely adopted across various industries, earning widespread customer trust and positive market feedback.



Professional Expertise

XRT's factory features state-of-the-art production equipment and a proficient technical team, guaranteeing all products meet international standards and customer needs. Known for their accuracy and reliability, Xiruite's instruments enjoy a prestigious reputation in the industry, offering effective measurement solutions to various industrial fields.



Comprehensive Certifications

XRT Instruments, renowned for its achievements in industrial automation, has earned multiple industry recognitions and awards. Holding certifications such as ISO quality management, patents, and safety approvals, the company exemplifies excellence in product development, production management, and quality control.



Diverse Product Range

We manufacture pressure gauges, bimetal thermometers, pressure transmitters, Gas regulators, welding cutting torches, RTDs, thermocouples, and related accessories to a variety of process markets worldwide. Xir Instruments supports various customization services to meet specific client needs, ensuring that each product is tailored to the customer's exact requirements.

Commitment to Partnership

■ Superior Quality, Trusted Performance

- All our pressure and temperature instruments are rigorously tested to meet international standards (ISO, KS, etc.).
- Using premium materials and advanced manufacturing, we ensure high precision, durability, and reliable performance.
- Each unit is precisely calibrated for optimal operation in demanding environments.

■ Professional Service, Strict Confidentiality

- Service Support: Pre-sales selection advice, real-time order tracking, and post-sales maintenance and technical support.
- Confidentiality Commitment: Strict protection of customer information and business secrets, backed by signed NDAs to ensure data security.
- Customized solutions tailored to special requirements, with end-to-end confidentiality.



Empowering Your Business Success!
Let's Collaborate for Excellence and Shared Achievements!



■ On-Time Delivery, Efficient Logistics

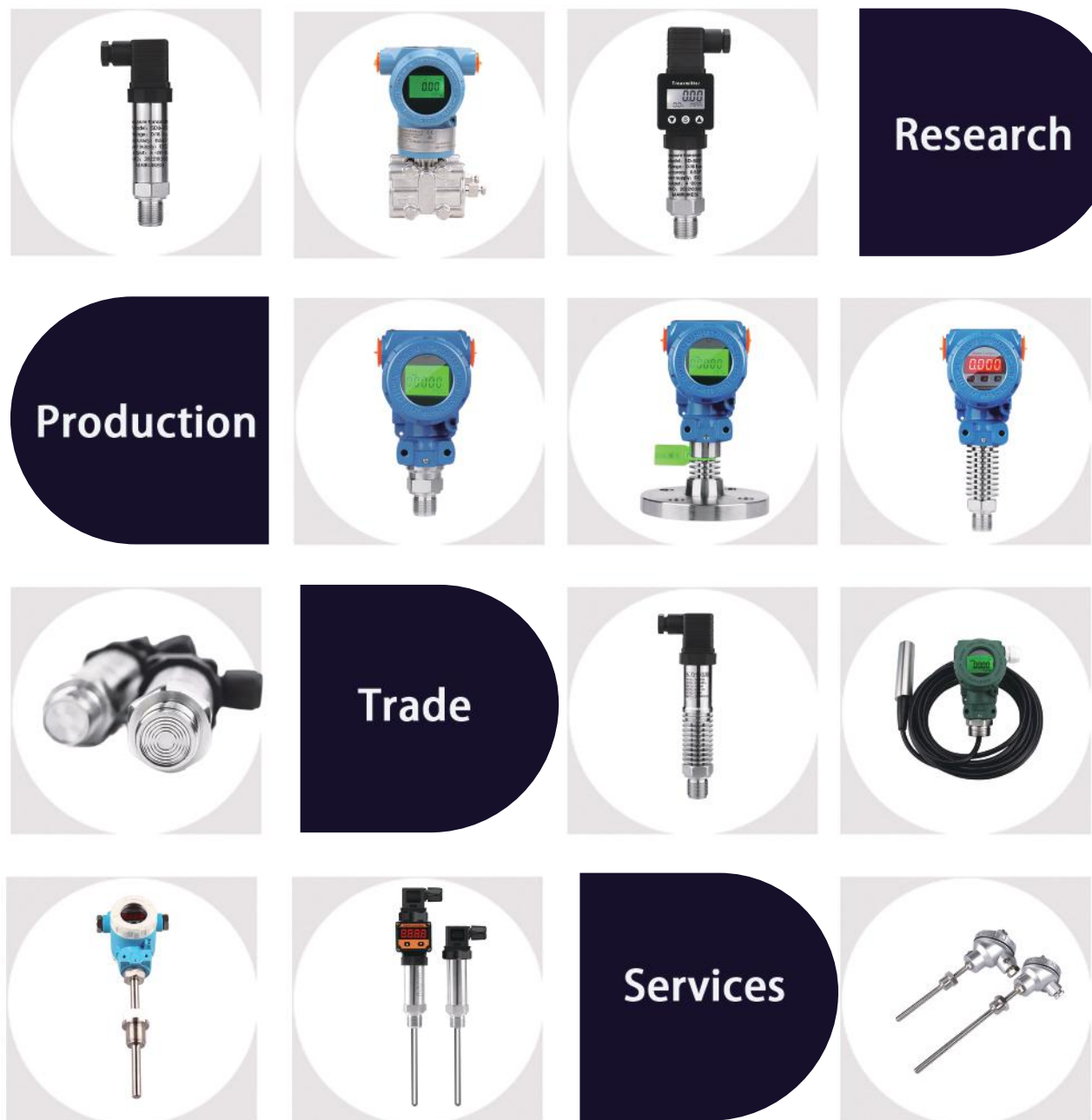
- Guaranteed timely order delivery with flexible logistics solutions.
- Expedited production and shipping services for urgent needs.
- Optimized inventory management to shorten lead times and meet your deadlines.

■ Collaborate for a Shared Future

- Customer-centric approach, continuously improving products and services.
- Technical training and industry insights to support your growth.
- Committed to building long-term partnerships and creating greater value together.



Transmitter



青岛希瑞特自动化设备有限公司
Qingdao XRT Automation Equipment Co., Ltd.

The product images and information provided in this catalog are for reference only. Please refer to the actual products for accuracy. Our company reserves the final right of interpretation for this catalog and its products.

Compact Mini Pressure Transmitter

Product Description

The compact pressure transmitter employs a reliable ceramic piezoresistive sensor with thick-film technology, offering corrosion and wear resistance plus shock and vibration protection. With Hirschmann connectors, it is compact, easy to install, and widely used in industrial control systems and equipment.



Specifications

Descriptions

Accuracy

0.1%FS,0.25%FS,0.5%FS

Measuring Range

-0.1MPa~100MPa

Output Signal

4~20mA, 0~10VDC, 0.5~4.5VDC, 0.25~2.5VDC

Digital Signal

RS485-MODBUS-RTU

Power Supply

9-36VDC,12-30VDC (with display or 0~10VDC output),
3-5VDC (Custom, for 0.5~2.5V or RS485 output)

Overpressure

200% of Full Scale

Operating Conditions

Media Tem. -40~85° C, Ambient Temp. -40~85° C
Ambient Humidity: 0~ 95% RH (non-condensing)

Protect Level

IP65

Long Term Stability

±0.1%FS/year (typical)

Temperature Drift

±0.3% FS/10° C

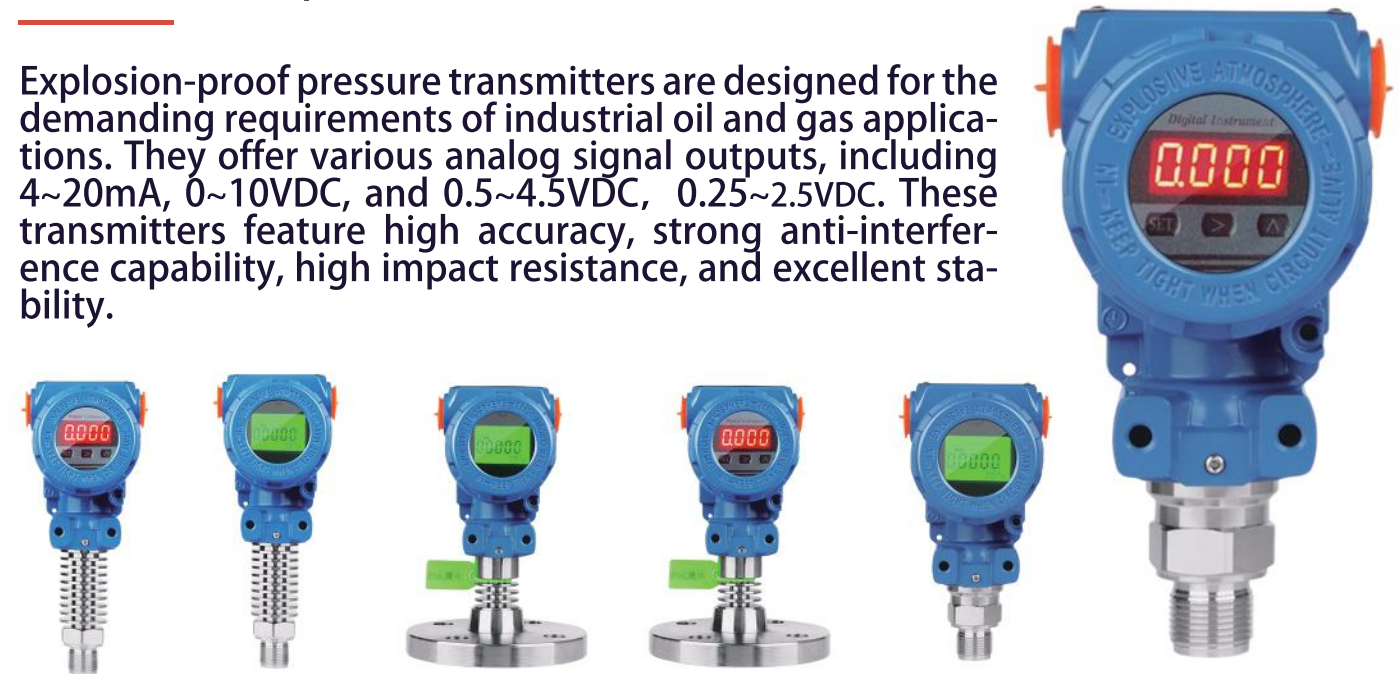
Body Material

SUS304,SUS316

Explosion-Proof Pressure Transmitter

Product Description

Explosion-proof pressure transmitters are designed for the demanding requirements of industrial oil and gas applications. They offer various analog signal outputs, including 4~20mA, 0~10VDC, and 0.5~4.5VDC, 0.25~2.5VDC. These transmitters feature high accuracy, strong anti-interference capability, high impact resistance, and excellent stability.



Specifications

Descriptions

Accuracy

0.1%FS,0.25%FS,0.5%FS

Measuring Range

-0.1MPa~100MPa

Output Signal

4~20mA, 0~10VDC, 0.5~4.5VDC, 0.25~2.5VDC

Digital Signal

RS485-MODBUS-RTU

Power Supply

9-36VDC,12-30VDC (with display or 0~10VDC output),
3-5VDC (Custom, for 0.5~2.5V or RS485 output)

Overpressure

200% of Full Scale

Operating Conditions

Media Tem. -40~85° C, Ambient Temp. -40~85° C
Ambient Humidity: 0~ 95% RH (non-condensing)

Protect Level

IP65

Long Term Stability

±0.1%FS/year (typical)

Connection Material

SUS304,SUS316

Explosion-proof Case

Cast Aluminum Alloy

Flat Membrane Pressure Transmitter

Product Description

The flat membrane pressure transmitter features a diaphragm that directly contacts the medium, making it ideal for viscous, crystalline, or particle-laden media. Made from corrosion-resistant materials, it ensures high stability and avoids clogging issues, commonly used in chemical, food, and pharmaceutical industries.



Differential Pressure Transmitter

Product Description

Differential pressure transmitter measures the difference between two pressure points and converts this difference into a standard electrical signal output (such as 4-20mA or 0-10VDC). It is widely used in industrial process control for flow measurement, level monitoring, and filter status detection, offering high precision and reliability.



Specifications	Descriptions
Accuracy	0.25%FS,0.5%FS
Measuring Range	-0.1MPa~100MPa
Output Signal	4~20mA, 0~10VDC, 0.5~4.5VDC, 0.25~2.5VDC
Digital Signal	RS485-MODBUS-RTU
Power Supply	9-36VDC, 12-30VDC (with display or 0~10VDC output), 3-5VDC (Custom, for 0.5~2.5V or RS485 output)
Overpressure	150% of Full Scale
Operating Conditions	Media Tem. -40~120° C, Ambient Temp. -40~120° C Ambient Humidity: 0~ 95% RH (non-condensing)
Protect Level	IP65
Long Term Stability	±0.1%FS/year (typical)
Temperature Drift	±0.3% FS/10° C
Body Material	SUS304,SUS316
Diaphragm Material	SUS316

Specifications	Descriptions
Accuracy	0.075%FS,0.2%FS,0.5%FS
Measuring Range	-0.1MPa~100MPa
Output Signal	4~20mA+HART
Digital Signal	RS485-MODBUS-RTU
Power Supply	12-36VDC
Maximum Static Pressure	25MPa
Operating Conditions	Media Tem. -40~100° C, Ambient Temp. -40~100° C Ambient Humidity: 0~ 95% RH (non-condensing)
Protect Level	IP65
Long Term Stability	±0.1%FS/year (typical)
Connection Material	SUS304,SUS316
Explosion-proof Case	Cast Aluminum Alloy/SUS304

Cable Type Liquid Level Transmitter

Product Description

The flat membrane pressure transmitter features a diaphragm that directly contacts the medium, making it ideal for viscous, crystalline, or particle-laden media. Made from corrosion-resistant materials, it ensures high stability and avoids clogging issues, commonly used in chemical, food, and pharmaceutical industries.



Integrated Temperature Transmitter

Product Description

Integrated Temperature Transmitter is a sophisticated device that combines the temperature sensing element (such as thermocouples or RTDs) and the transmitter electronics into a single, compact unit. This design facilitates the direct output of standardized electrical signals, typically in the range of 4-20mA or digital outputs like HART, enhancing compatibility with various control systems. It can meet the temperature measurement requirements of various sites in fields such as petroleum, chemical, metallurgy, power stations, and light industry.



Specifications	Descriptions
Accuracy	0.1%FS,0.25%FS,0.5%FS
Range	0~ 0.5m~ 1m ~ 2m...200 m
Output Signal	4~20mA, 0~10VDC, 0.5~4.5VDC, 0.25~2.5VDC
Digital Signal	RS485-MODBUS-RTU
Power Supply	9-36VDC,12-30VDC (with display or 0~10VDC output), 3-5VDC (Custom, for 0.5~2.5V or RS485 output)
Overload Capacity	200% of Full Scale
Operating Conditions	Media Tem. -40-120° C,Ambient Temp. -40~120° C Ambient Humidity: 0~ 95% RH (non-condensing)
Protect Level	IP65
Long Term Stability	±0.2%FS/year (typical)
Temperature Drift	±0.3% FS/10° C
Body Material	SUS316
Response Time	≤ 1ms (up to 90% FS)

Specifications	Descriptions
Accuracy	0.25%FS,0.5%FS
Measuring Range	-200° C~0° C~500° C~1200° C
Output Signal	4~20mA,RS485Modbus
Power Supply	12-36VDC
Response Time	≤ 1ms (up to 90% FS)
Long Term Stability	±0.2%FS/year (typical)
Overload Capacity	200% of Full Scale
Protect Level	IP65
Temperature Drift	±0.3% FS/10° C
Connection Material	SUS304,SUS316
Explosion-proof Case	Cast Aluminum Alloy/SUS304