



邮箱: [sales@xrtinstrument.com](mailto:sales@xrtinstrument.com)

地址: XRT Instrument Sales Headquarters (Beijing)

网址: [www.xrtinstrument.com](http://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.



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# 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

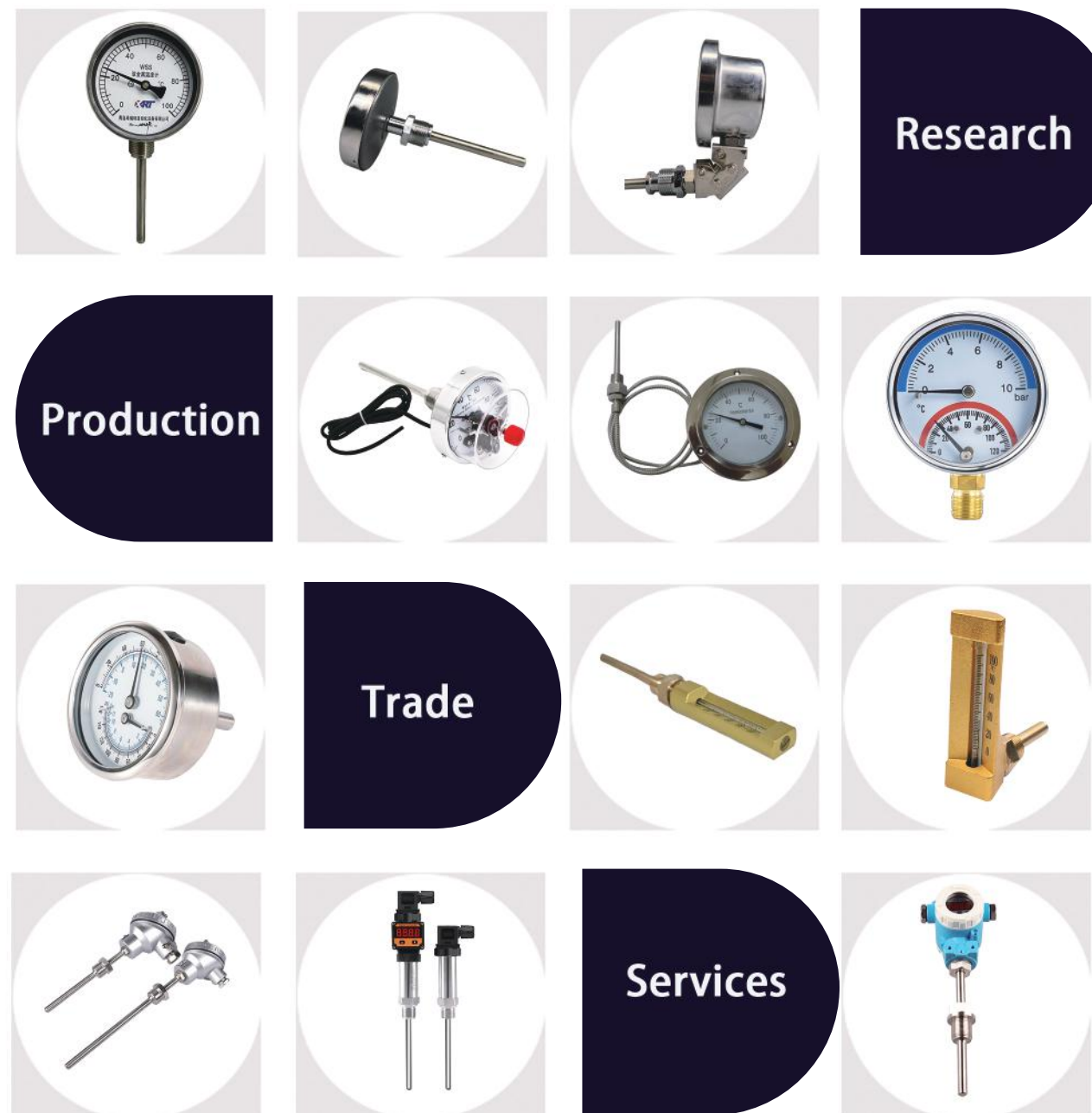
- Customer-centric approach, continuously improving products and services.
- Technical training and industry insights to support your growth.
- Committed to building long-term partnerships and creating greater value together.







# Thermometer



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.

## WSS Series Stainless Steel Bimetal Thermometer

### Product Description

Bimetallic thermometer utilizes two metals with differing thermal expansion rates, bending in response to temperature changes and indicating the temperature via a rotational display. It is ideal for medium and low-temperature measurements in gases and liquids, offering non-toxic, easy-to-read, durable, and vibration-resistant performance, suitable for industrial controls, labs, and field use.



Specifications	Descriptions
Nominal Diameter	Φ60mm, Φ100mm, Φ150mm
Accuracy	1.5%
Connection Thread	M16x1.5, M27x1.5, PF(PT/NPT)3/4, PF(PT/NPT)1/2, etc
Temperature Range	20~+80° C, 0~100° C, 0~150° C, 0~200° C, 0~300° C, 0~400° C, 0~500° C
Case material	Stainless Steel SUS304, Aluminum
Temperature Sensing Tube Material	Stainless Steel Tube
Temperature Tube Diameter	Φ6mm, Φ10mm
Joint Material	Stainless Steel SUS304, Aluminum
Instrument Glass	Ordinary Glass
Protection Level	IP65
Testing Bar Length	L=75~2000mm(Customed)
View Angle	Radial, Axial, 135° All Angles

## WSSX Series Stainless Steel Electric Contact Bimetal Thermometer

### Product Description

Electric contact bimetallic thermometer measures temperature using two metals with different thermal expansion rates. It triggers a switch at a preset temperature to activate alarms or control circuits. This device offers non-toxic, easy-to-read, durable, and vibration-resistant performance, making it ideal for industrial temperature monitoring and automation control applications.



Specifications	Descriptions
Nominal Diameter	Φ60mm, Φ100mm, Φ150mm
Accuracy	1.5%
Connection Thread	M16x1.5, M27x1.5, PF(PT/NPT)3/4, PF(PT/NPT)1/2, etc
Temperature Range	20~+80° C, 0~100° C, 0~150° C, 0~200° C, 0~300° C, 0~400° C, 0~500° C
Case material	Stainless Steel SUS304, Aluminum
Temperature Sensing Tube Material	Stainless Steel Tube
Temperature Tube Diameter	Φ6mm, Φ10mm
Joint Material	Stainless Steel SUS304, Aluminum
Instrument Glass	Ordinary Glass
Protection Level	IP65
Testing Bar Length	L=75~2000mm(Customed)
View Angle	Radial, Axial, 135° All Angles
Electric Contact	With Upper and Lower Limit

## Brass Wet Parts Temperature Integrated Pressure Gauge

### Product Description

This gauge measures pressure and temperature, offering versatile use and saving space in pipelines. Suitable for heating systems, it reads both parameters simultaneously. Easy to install without interference issues, it is ideal for HVAC applications like water and air temperature measurement, floor heating, and heating furnaces.



Specifications	Descriptions
Nominal Diameter	Φ63mm
Pressure Range	0-6bar, 0-10bar
Pressure Accuracy	2.5%, 1.6%
Temperature Range	0~ 120° C, 0~ 200° C
Temperature Accuracy	2.5%, 4.0%
Connection Thread	G1/4
Temperature Sensitive Material	Bimetallic Strip
Temperature Element	QSn4-0.3 Brass
Instrument Glass	Ordinary Glass
Connection Material	HPb59-1 Brass
Casing Material	Carbon Steel ABS

## All Stainless Steel Temperature Integrated Pressure Gauge

### Product Description

This gauge measures pressure and temperature, offering versatile use and saving space in pipelines. Suitable for heating systems, it reads both parameters simultaneously. Easy to install without interference issues, it is ideal for HVAC applications like water and air temperature measurement, floor heating, and heating furnaces.



Specifications	Descriptions
Nominal Diameter	Φ63mm
Pressure Range	0-6bar, 0-10bar
Pressure Accuracy	2.5%, 1.6%
Temperature Range	0~ 120° C, 0~ 200° C
Temperature Accuracy	2.5%, 4.0%
Connection Thread	G1/4
Temperature Sensitive Material	Bimetallic Strip
Temperature Element	SUS304
Instrument Glass	Safety Glass
Connection Material	SUS304
Casing Material	SUS304



## Pressure Thermometer with Capillary Tube

### Product Description

Pressure type thermometer is used for measuring temperature of medium which is not corrosive to copper and copper alloy, and also measuring and controlling the temperature in production process of machinery, textile, chemical, pharmaceutical and foodstuff industries.



Specifications	Descriptions
Nominal Diameter	Φ 150mm
Accuracy	2.5%
Connection Thread	M27x2、 M33x2
Temperature Range	-20~ +60° C, -40~ 60° C, 0 ~ 100° C, 0 ~ 120° C, 0~ 160° C, 0~ 200° C, 0~ 300° C
Capillary Length	3/5/10/15/20m(Customed)
Case Material	ABS
Thermalbulb	Red Copper or Stainless Steel
Pipe Duct Material	Capillary Tube of Red Copper
Instrument Glass	Ordinary Glass
Protection Level	IP65
Testing Bar Length	L=75~2000mm(Customed)
Connection Material	Carbon Steel or Stainless Steel SUS304

## Industry Glass Mercury Thermometer

### Product Description

The thermometer is composed of a glass thermometer and a metal protective sleeve. It is widely used in ship matching, heat exchange equipment, hydraulic equipment and various industrial roads. It has the advantages of long service life, beautiful appearance, and strong shock resistance.



Specifications	Descriptions
Bod length	110mm x 30mm, 150mm x 36mm, 200mm x 36mm
Case Material	Aluminum, Golden Finish
Connection Thread	1/2" BSP, 3/8" BSP or as required
Temperature Range	-60~ +600° C
Types	Straight: 174B, 291B, 271B 90 angle type: 175B, 292B, 272B 135 angle type: 176B, 293B, 273B
Stem	30mm, 63mm, 100mm, 120mm, 200mm or required
Liquid-filled	Red or blue alcohol when range up to 200° C Mercury when range over 200° C
Wetted Parts	Copper alloy up to 200° C Steel or stainless steel up to 600° C
Design	Removable thermowell thread or screw fixed