



TIANZHIYI TECH

TEMPERATURE SENSORS & TRANSMITTERS

CONTACT / DIGITAL / INFRARED



Measurement for industrial systems.
A focused product selection for your application.

PRODUCT CATALOGUE 2026

www.tianzhiyitech.com

Choose by application

03**Temperature Transmitter**

Contact temperature measurement for water circuits, refrigeration equipment and industrial machinery.

04**Platinum RTD Probe**

Resistance-based temperature sensing for equipment and control-system integration.

05**Digital Temperature Transmitter**

Contact temperature measurement for digital monitoring and equipment integration.

06**Electronic Temperature Switch**

Local temperature indication and threshold switching in industrial equipment.

07**Infrared Temperature Sensor**

Non-contact surface-temperature measurement where a contact probe is impractical.

Ranges and outputs are configuration options. Select the exact version for the operating conditions; illustrations show representative products.

TEMPERATURE MEASUREMENT

Temperature Transmitter

**APPLICATION**

Contact temperature measurement for water circuits, refrigeration equipment and industrial machinery.

Listed range	0-200°C
Accuracy options	±0.5% FS or ±1% FS
Output options	4-20 mA, 0.5-4.5 VDC or RS485
Supply	24 VDC nominal; 10-36 VDC listed
Process connection	G1/4; other connections on request
Electrical connection	Hirschmann GDM-series connector

SELECTION NOTES

Match the output and supply version in the quotation. Specify immersion length, probe diameter, medium, working pressure and response-time requirement.

TEMPERATURE MEASUREMENT

Platinum RTD Probe



APPLICATION

Resistance-based temperature sensing for equipment and control-system integration.

Sensor principle	Platinum resistance temperature detector
Listed range	-50 to +250°C
Output	Resistance signal
Integration	Connect to a compatible RTD input or transmitter

SELECTION NOTES

Specify the required nominal resistance, accuracy class, 2/3/4-wire arrangement, sheath dimensions and cable. These options require confirmation; the overview does not define a universal probe configuration.

TEMPERATURE MEASUREMENT

Digital Temperature Transmitter



APPLICATION

Contact temperature measurement for digital monitoring and equipment integration.

Listed range	-50 to +400°C; configured versions
Output options	RS232 or RS485
Measurement	Contact probe temperature
Integration	Serial interface to a compatible receiving system

SELECTION NOTES

Confirm protocol, baud rate, register map, supply and wiring. RS485 alone does not confirm Modbus compatibility. Select probe construction and range for the medium and installation.

TEMPERATURE MEASUREMENT

Electronic Temperature Switch



APPLICATION

Local temperature indication and threshold switching in industrial equipment.

Listed range	-50 to +400°C; select required range
Analog output options	4-20 mA, 0-5 V or 0-10 V
Control output options	Transistor or relay
Indication	Local digital display

SELECTION NOTES

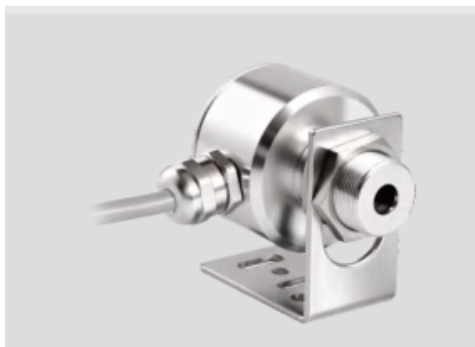
Confirm setpoint logic, hysteresis, supply, switching load, probe length and process rating. Analog and switching-output combinations depend on the selected version.

TEMPERATURE MEASUREMENT

Infrared Temperature Sensor

APPLICATION

Non-contact surface-temperature measurement where a contact probe is impractical.



Measurement	Online infrared surface temperature
Listed range	0-1200°C; select application range
Output options	4-20 mA or RS485
Format	Compact optical sensing head

SELECTION NOTES

Specify target material, emissivity, temperature, distance and spot size. Confirm optical ratio, spectral band, accuracy and ambient limits. This is a temperature sensor, not a thermal imaging camera.

Configure your measurement

01 Process

Medium, composition, minimum / normal / maximum conditions and required measurement range.

02 Installation

Mounting position, connection standard, dimensions, wetted materials and environmental conditions.

03 Electrical interface

Supply voltage, output signal, switching logic, connector, cable and communication protocol.

04 Performance

Accuracy, response time, calibration needs and any application-specific documentation.

05 Supply scope

Quantity, sample requirement, display language, delivery date and required accessories.

Send your enquiry to sales@tianzhiyitech.com.

Final specifications, compatibility, documentation and delivery scope are confirmed for the quoted configuration.



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Shenzhen Tianzhiyi Technology Co., Ltd.

Address: 2nd Floor, Building C, No. 10, Jixiang 2nd Road,
Pingdi Subdistrict, Longgang District, Shenzhen, Guangdong Province, China

Web: www.tianzhiyitech.com

Email: sales@tianzhiyitech.com