

Temperature Transmitter

Holykell temperature sensor/transmitters employ highly accurate PT100/PT1000 temperature sensors during manufacturing. These sensors undergo rigorous temperature and linear compensation processes to ensure stability and high performance. The device utilizes modular signal processing technology, making it suitable for measuring the temperature of differential liquids or gas media.



HTS101 Temperature Sensors (Resistive signal type)

- ☆ Measurement Range: -50°C~200°C Customized
- ☆ Output : Resistive signal type
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: Φ6; Φ8 optional
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%F.S optional
- ☆ Environment temperature: -40°C~85°C
- ☆ Certificate: CE, Ex ia IIC T6 Ga



HTS102 Integrated Type Temperature Transducers

- ☆ Measurement Range: -50°C~200°C Customized
- ☆ Output : 4~20mA, RS485, Resistive signal type optional
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: Φ6; Φ8 optional
- ☆ Power supply: 4-20mA, 0-5V, 0-10V
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%F.S optional
- ☆ Environment temperature: -40°C~85°C
- ☆ Certificate: CE, Ex ia IIC T6 Ga



HTS103 Isolated Type Temperature Transducers

- ☆ Measurement Range: 0°C~400°C Customized
- ☆ Output : 4~20mA, 0~5V/0~10V
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: Φ6; Φ8 optional
- ☆ Power supply: 9Vdc~30Vdc
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%F.S optional
- ☆ Environment temperature: -40°C~85°C
- ☆ Certificate: CE, Ex ia IIC T6 Ga



HTS104 Integrated Display Type Temperature Transmitter

- ☆ Measurement Range: -50°C~400°C Customized
- ☆ Output : 4~20mA, 0~5V/0~10V
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: Φ6; Φ8 optional
- ☆ Power supply: 12~30Vdc
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%F.S optional
- ☆ Environment temperature: -40°C~85°C
- ☆ Certificate: CE, Ex ia IIC T6 Ga



HTS201 Explosion-Proof Type Temperature Transmitter

- ☆ Measurement Range: -50°C~300°C
- ☆ Output : 4-20 mA+HART or 4-20 mA+RS485 optional
- ☆ Sensor type: PT100, PT1000
- ☆ Probe Dimension: 8mm
- ☆ Power supply: 24Vdc
- ☆ Pressure port: Insert type
- ☆ Accuracy : 0.5%F.S optional
- ☆ Environment temperature: -40°C~85°C
- ☆ Certificate: CE, Ex ia IIC T6 Ga



HTS300 Plug Furnace Thermocouple Probe Temperature sensor

- ☆ Range: -200°C~600°C
- ☆ Accuracy: 0.1%, 0.3%, 0.5% or optional
- ☆ Probe Length: 30mm (default) 100mm, 150mm, 200mm or by customized
- ☆ Process: Groove Rolling, SMD, etc.
- ☆ Terminals: U type, Pin type, Aviation Type
- ☆ Cable Material: PVC, Silicone, Teflon, PTFE



HTS300 Waterproof Thermistor RTD Temperature Sensor

- ☆ Range: -40°C-1200°C (K type), 0°C-1800°C (B type)
- ☆ Accuracy: 2B, B, A, 1/3B etc.
- ☆ Probe Length: 30mm (default) 100mm, 150mm, 200mm or by customized
- ☆ Process: Groove Rolling, SMD, etc.
- ☆ Terminals: U type, Pin type, Aviation Type
- ☆ Cable Material: PVC, Silicone, Teflon, PTFE



H2602 Explosion Proof GPRS/Zigbee/NB-IoT/ LoRa Wireless Temperature Sensor

- ☆ Range: Integrated one -200°C~200°C; Split one 200°C~800°C
- ☆ Working temperature: -30°C~70°C (Medium does not crystallize)
- ☆ Power Supply: 3.6V@19Ah
- ☆ Signal: 2/3/4G GPRS, Lora, NB-IOT
- ☆ IP Grade: IP68
- ☆ Accuracy: 0.5%F.S
- ☆ Certificate: CE, ROHS, Ex ia IIC T6 Ga
- ☆ Network format: NB-IOT; 4G-GPRS (Global Support); LoRa

Flow Meters

Holykell Flow meters are intelligent and developed using the advanced technology from domestic and foreign countries. Products include electromagnetic flow meters, ultrasonic flow meters, turbine flow meters and vortex flow meters. It is widely used in water (tap water, industrial water, and sewage treatment), metallurgy, chemical, textile, food, paper-making, power, pharmaceutical and other industrial areas. It applies to measure the volume flow of conductive medium and non-conductive medium flow including water, acid, alkali, salt solutions, slurry, pulp, paper pulp, waste water and so on.



4800E Integrated Electromagnetic Flow Meters

- ☆ Pipe size: DN10-2000mm
- ☆ Measure accuracy: ±0.5%
- ☆ Flow range: 0.3~15m/s
- ☆ Ambient temperature: -25°C~60°C
- ☆ Flow output signal: 0~10mA/4~20mA /Pulse/MODBUS/HART
- ☆ Supply voltage: 220VAC or 24Vdc
- ☆ Sensor connection: Flanged, threaded, or by clamps
- ☆ Lining material: PTFE, Soft rubber, Polyurethane rubber, F46 poly perfluoro ethyleneally
- ☆ Protection class: IP65



4800 Segregate Electromagnetic Flow Meters

- ☆ Pipe size: DN10-2000mm
- ☆ Measure accuracy: ±0.5%
- ☆ Flow range: 0.3~15m/s
- ☆ Ambient temperature: -25°C~60°C
- ☆ Flow output signal: 0~10mA/4~20mA /Pulse/MODBUS/HART
- ☆ Supply voltage: 220VAC or 24Vdc
- ☆ Sensor connection: Flanged, threaded, or by clamps
- ☆ Lining material: PTFE, neoprene, polyurethane rubber, rubber acid
- ☆ Certificate: CE
- ☆ Protection class: IP65, IP68



4880E Sanitary Electromagnetic Flow Meters

- ☆ Pipe Size: DN15-25mm
- ☆ Measure accuracy: $\pm 0.5\%$
- ☆ Flow range: 0.3~15m/s
- ☆ Ambient temperature: $-25^{\circ}\text{C}\sim 60^{\circ}\text{C}$
- ☆ Flow output signal: 0~10mA/4~20mA /Pulse/MODBUS/HART
- ☆ Supply voltage: 220VAC or 24Vdc
- ☆ Sensor connection: Clamping connection type
- ☆ Protection class: IP65
- ☆ Application: Food, Medical, Sanitary area

HUF2000-H Handheld Ultrasonic Flow meter



- ☆ Pipe Size: 20-6000mm
- ☆ Flow range: $0\sim\pm 32\text{m/s}$
- ☆ Working temperature : $-20^{\circ}\text{C}\sim 160^{\circ}\text{C}$
- ☆ Communication Interface: RS-232, baud-rate: from 75 to 57600.
- ☆ Supply voltage: 3 AAA built-in Ni-H batteries
- ☆ Linearity: 0.5%
- ☆ Accuracy: $\pm 1\%$
- ★ Powerful Recording Function, last 64 days/64 months/5 years LCD display, LED indicator, 4x4+2 push button keypad



UF2000B Wall-mount Ultrasonic Flow meter

- ☆ Pipe Size: 32-1000mm
- ☆ Working temperature : $-30^{\circ}\text{C}\sim 90^{\circ}\text{C}$
- ☆ High-temperature: $-30^{\circ}\text{C}\sim 130^{\circ}\text{C}$
- ☆ Flow output signal: 0~10mA/4~20mA/Pulse/MODBUS/HART
- ☆ Supply voltage: 220VAC or 24Vdc
- ☆ Linearity: 0.5%
- ☆ Accuracy: $\pm 1\%$
- ★ Powerful Recording Function, last 64 days/64 months/5 years



UFL9000 Ultrasonic Open Channel Flow Meter

- ☆ Measuring range: 0-1-2-3m, 0-10m
- ☆ Flow range: $0\sim\pm 32\text{m/s}$
- ☆ Working temperature : Display meter $-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$, transducers $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$
- ☆ Flow output signal: 4~20mA 750 Ω load
- ☆ Supply voltage: 220VAC+15% 50Hz; 24Vdc 120mA
- ☆ Linearity: 0.5%
- ☆ Accuracy: 1%~5%
- ☆ Application: Wastewater treatment plant, City sewer flow and farmland irrigation channels, etc.



PUF2000 Portable Ultrasonic Flow meter

- ☆ Pipe Size: DN15-1000mm
- ☆ Velocity: 0.03-8m/s
- ☆ Working temperature : $-20^{\circ}\text{C}\sim 130^{\circ}\text{C}$
- ☆ Flow output signal: 4~20mA/MODBUS
- ☆ Supply voltage: Battery
- ☆ Linearity: 0.5%
- ☆ Accuracy: $\pm 1\%$
- ★ Powerful Recording Function, last 64 days/64 months/5 years With Printer, LCD, 4x4+2 push button keypad



HLY Intelligent Liquid Turbine Flow Meter

- ☆ Pipe Size: DN15 mm ~200mm
- ☆ Flow range: $0\sim\pm 32\text{m/s}$
- ☆ Medium temperature: $-20^{\circ}\text{C}\sim 110^{\circ}\text{C}$
- ☆ Output signal: 4~20mA 750 Ω load+Pulse,RS485
- ☆ Connection Way: Screw, Flange, Clamp sanitary, Plug in type
- ☆ Supply voltage: $12\text{V}\pm 10\%$
- ☆ Current: $\leq 10\text{mA}$



LGB Orifice Plate Flowmeter

- ☆ Pipe Size: 15mm~2000mm
- ☆ Working Temperature: -40°C~100°C (Steam or Gas)
- ☆ Material: 304SS(Typical) 316L by customize
- ☆ Precision: actual flow rate of $\pm 1\%$
- ☆ Humidity: relative humidity 0-100% lattice
- ☆ Taps Type: angular contact pressure
(corner joint pressure)
- ☆ Calculation Standard: ISO 5167-2003
- ☆ Application: liquid, gas, steam

Digital Display & Controller Instrument

Holykell offers a diverse range of digital displays, digital controllers and instruments to cater to various industrial needs. They adopt advanced and reliable electronic devices and technologies and can be compatible with our pressure sensors, level sensors, flow meters and more. These digital controllers and instruments are designed to provide precise and accurate measurements, ensuring optimal control and monitoring of industrial processes.

H1100 Single-circuit Digital Display Controller



- ☆ Panel display: Double screen LED digital
- ☆ Input Signal type: 33 types input signal
- ☆ Measuring Accuracy: 0.3%F.S
- ☆ Alarm: Up and down limit
- ☆ Application: Plastic/Food /Packaging machinery,
Heating Furnace

H5100 Single-loop Digital Display Controller



- ☆ Panel display: Dual-screen LED display
- ☆ Input Signal type: 36 types input signal
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Alarm: Up and down limit,delay alarm
- ☆ Communication: RS485/RS232

H5200 Dual-loop digital display controller



- ☆ Panel display: Dual-screen LED display
- ☆ Input Signal type: 36 types input signal
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Alarm: Up and down limit,delay alarm
- ☆ Communication: RS485/RS232

H5300 Artificial Intelligence PID Regulator



- ☆ Panel display: Dual-screen LED display
- ☆ Input Signal type: 36 types input signal,PID output
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Alarm: Up and down limit,LBA alarm,Flash alarm
- ☆ Communication: RS485/RS232

H5740 Four-circuit Digital Display Controller



- ☆ Panel display: Dual-screen LED display
- ☆ Input Signal type: 36 types input signal RTD
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Alarm: Up and down limit,LBA alarm,Flash alarm, Stop alarm
- ☆ Communication: RS485/RS232

H7620/H7620R Series LCD Volume Display Meter/ Recorder



- ☆ Panel display: LCD
- ☆ Input Signal: 0~20mA, 0~10mA, 4~20mA, 0~5V, 1~5V, 0~10V (customized)
- ☆ Output Signal: Analog output, Alarm output,Feed output, Communication output
- ☆ Measuring Accuracy: 0.2%FS±1d
- ☆ Power Supply: 100~240VAC; 50/60HZ; 20~29Vdc
- ☆ Record: USB, SD card

H8000 Series Multipurpose Colorful Paperless Recorder/Data Logger



- ☆ Panel display: LED backlight
- ☆ Accuracy: 0.2%FS±1d
- ☆ Channel/Input: Maximum 48 channels, 12 transmitting output, 18 alarm output optional
- ☆ Interface: RS232/RS485/RS232C
- ☆ Optional functions: USB, SD card, Ethernet, Feed output

PY602 Pressure & Temperature Regulator



- ☆ Panel display: Dual 4-digit Green and Red LEDs
- ☆ Input Signal : 2 mV/V or 3.3 mV/V (automatic selection) 4~20mA, 0-5V, 0-10V input optional
- ☆ Size: 96mm x 96mmx100mm
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Power Supply : 110/220VAC or +24Vdc
- ☆ Alarm Range: 0001-9999 PSI or Bar
- ☆ Weight : 400g



PY602H Pressure & Temperature Regulator

- ☆ Panel display: Dual 4-digit Green and Red LEDs
- ☆ Input Signal : 2 mV/V or 3.3 mV/V (automatic selection)
4-20mA, 0-5V, 0-10V input optional
- ☆ Size: 96mm×48 mm×100mm
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Power Supply : 110/220VAC or+24Vdc
- ☆ Alarm Range: 0001-9999 PSI or Bar
- ☆ Weight : 400g



PY602S Pressure & Temperature Regulator

- ☆ Panel display: Dual 4-digit Green and Red LEDs
- ☆ Input Signal : 2 mV/V or 3.3 mV/V (automatic selection)
4-20 mA, 0-5V, 0-10V input optional
- ☆ Size: 48mm×96mm×100mm
- ☆ Measuring Accuracy: 0.2%F.S
- ☆ Power Supply : 110/220VAC or+24Vdc
- ☆ Alarm Range: 0001-9999 PSI or Bar
- ☆ Weight : 400g



PY9000 PID Intelligent Digital Pressure Controller

- ☆ Digital display: Double rows with four LED digits
- ☆ Alarm: Two relay output , programmable
- ☆ Size: 90mm×90mm×110mm
- ☆ Output signal : 4~20mA, 0~5V or 0~10V
- ☆ Power supply: 120V~250VAC
- ☆ Working atmosphere : -10°C ~50°C, ≤99%RH

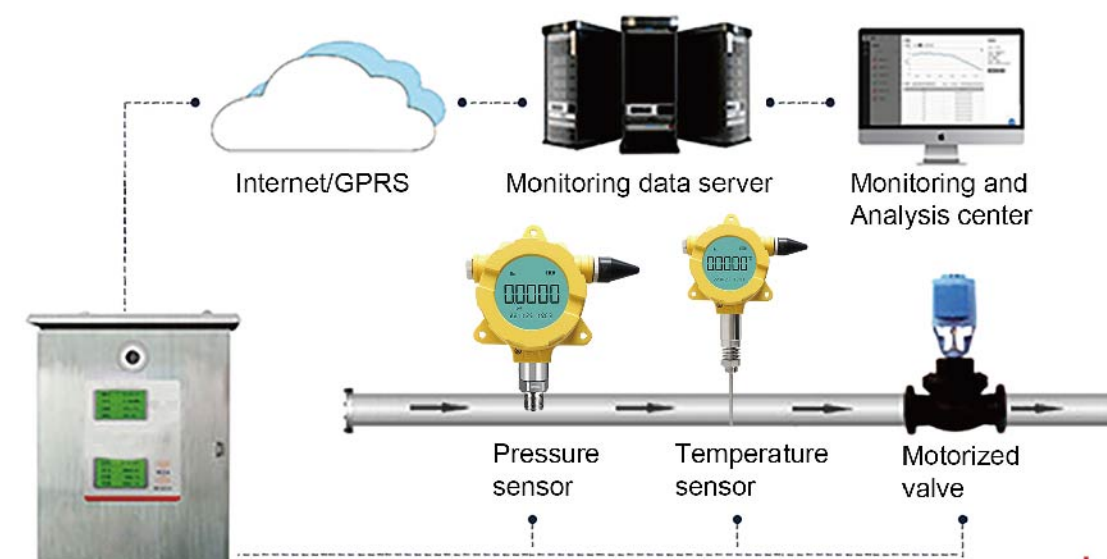
Wireless Networking

Holykell offers wireless pressure sensors, wireless level sensors, wireless temperature sensors, wireless modules and wireless solutions. Incorporating state of the art technologies, they bring increased measurement accuracy, reliability and convenience. With the Cloud platform and softwares, a fully new featured monitoring era has come.

Wireless Level Monitoring Solution

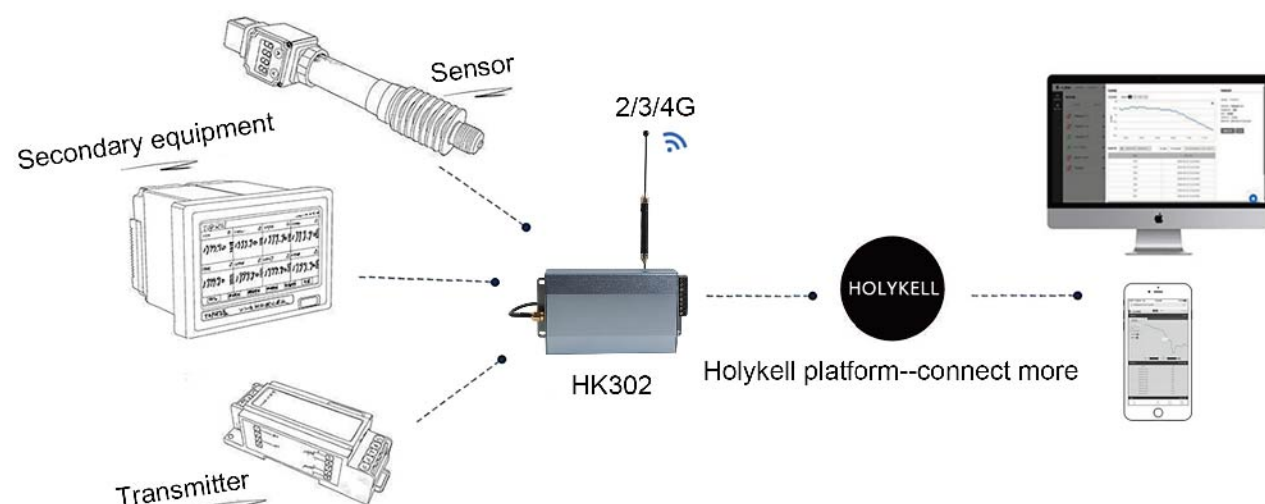


Wireless Pressure Sensors and Temperature Sensors for Steam Metering and Control System



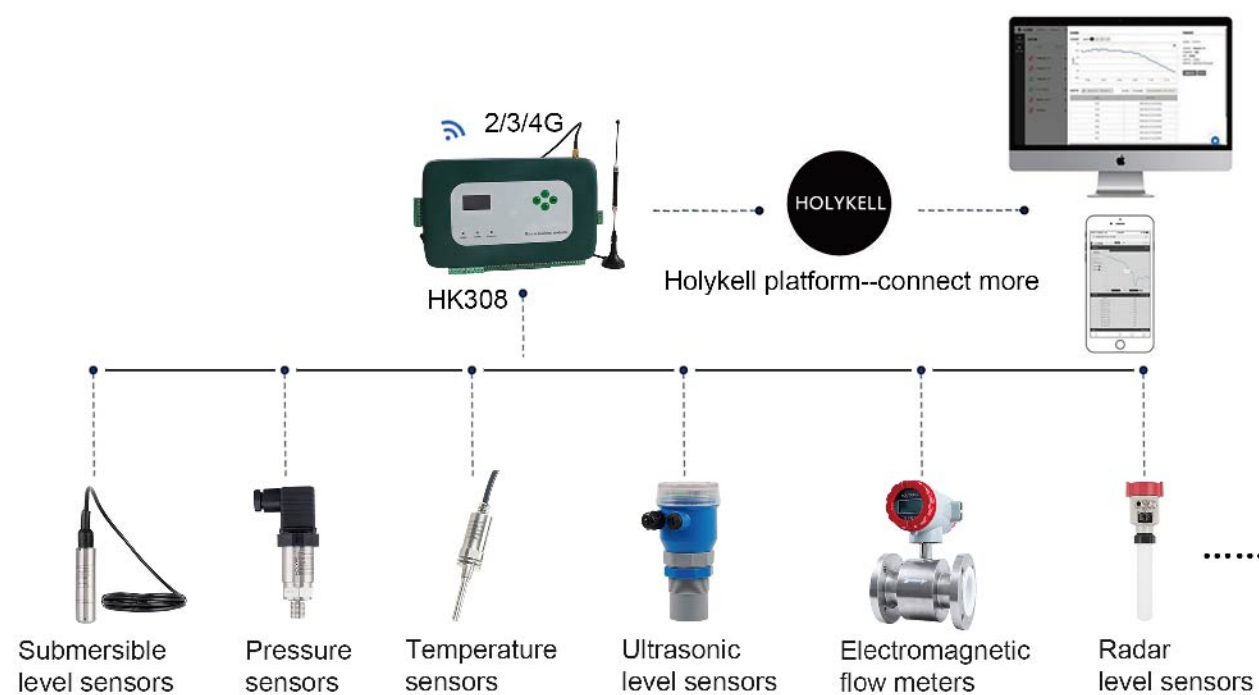
Wireless RTUs for Remote Monitoring

(For connecting analog instrument, supporting 3 channels)



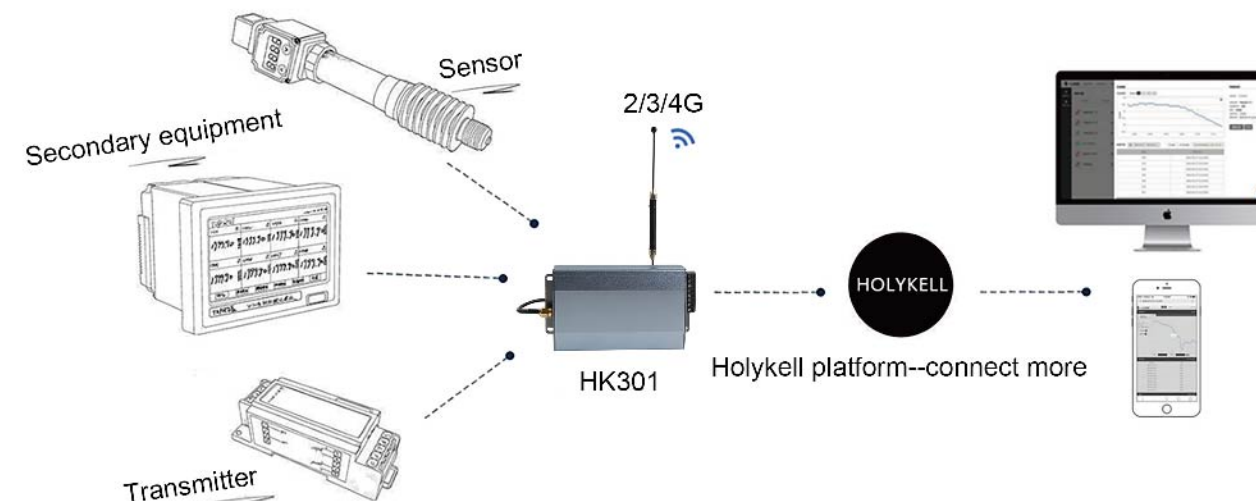
Wireless RTUs for Remote Monitoring

(For connecting analog instrument, supporting 8 channels)



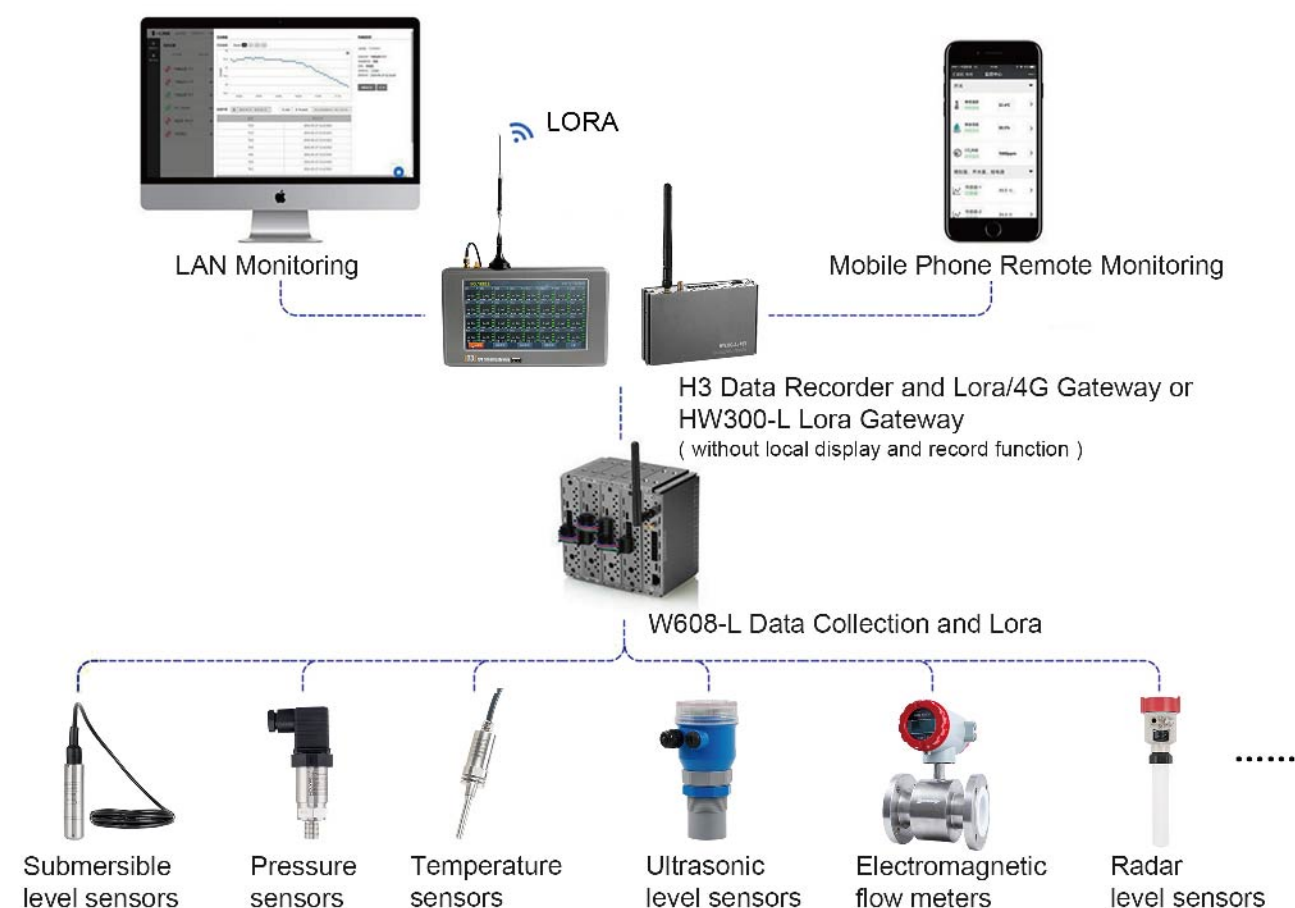
Wireless DTUs for Remote Monitoring

(For connecting RS485 Modbus instrument, supporting 5 channels))



Wireless Modules for Remote Monitoring

(For LoRa and LoRa+4G, supporting 8-32 channels)

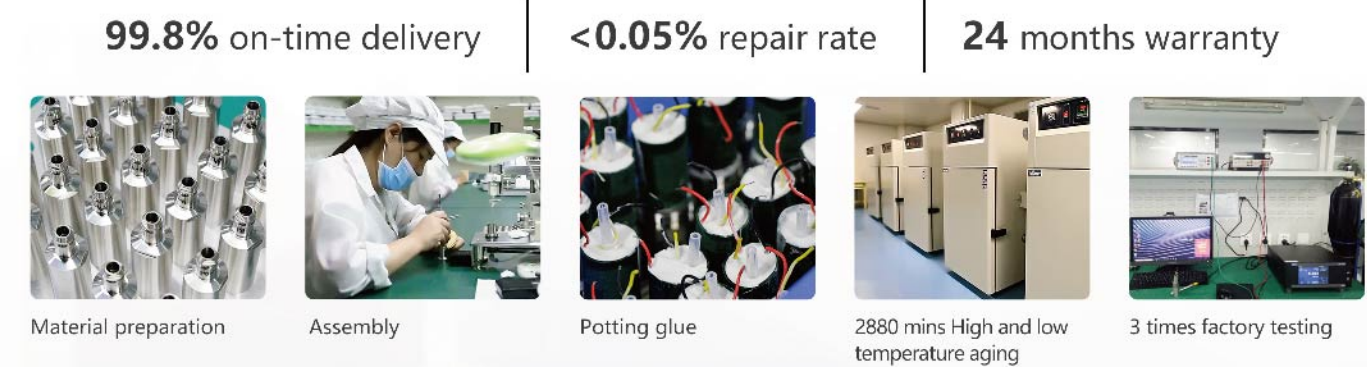


CERTIFICATE



WHAT WE PROVIDE

QUALITY WE COMMIT



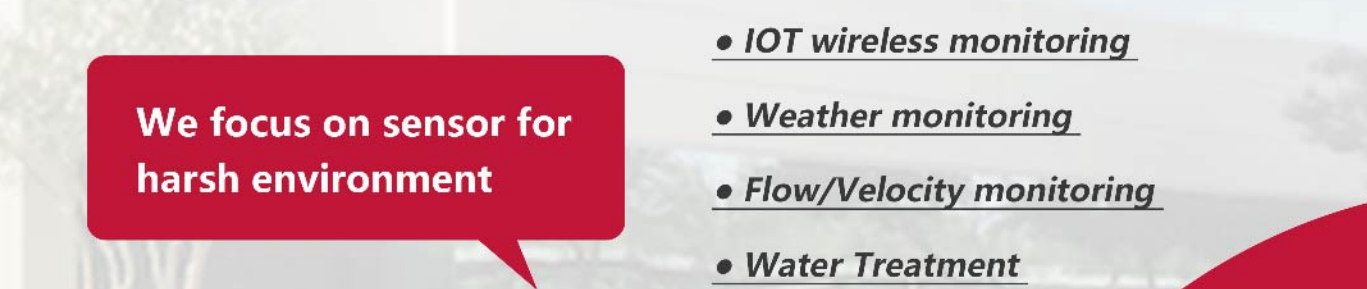
AFTER-SALES AND TECHNICAL SUPPORT



ODM SERVICE



ONE-STOP SOLUTIONS



We focus on sensor for harsh environment