### **Radar Level Meter**

High Frequency radar level measurement instrument, measure the maximum distance to 70 meters. Antenna being further optimized, fast new microprocessor could be higher-speed signals processing, makes the instrument can be used in reactors, solid-state storage bin and some complicated measuring conditions.



#### **HR261 Radar Level Meter**

☆ Measurement Span: 0 to 20 meters
 ☆ Process Connection: Thread or Flanges
 ☆ Medium Temperature Span: -40°C~120°C

☆ Accuracy: ±5 mm

☆ Supply: 24VDC or 85-265VAC

☆ Explosion proof grade: ExibII CT6 Gb

☆ Signal Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus

☆ Application: All kinds of corrosive liquids



#### **HR262 Radar Level Meter**

☆ Measurement Span: 0 to 30 meters; 0 to 70 meters
 ☆ Process Connection: G1-1/2" Thread or Flanges

☆ Medium Temperature Span: -40°C~150°C

☆ Accuracy: ±3mm

☆ Supply: 24VDC or 85-265VAC

☆ Explosion proof grade: ExibII CT6 Gb

☆ Signal Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus

Application: Temperature resistant, pressure resistant,

Reservoirs, open channels, tidal, etc





#### **HR263** Radar Level Meter

☆ Measurement Span: 15m/20m/35m (powder); 20m/30m/45m(particle);

35m/45m/55m(lump materials) -1m...70m(liquids)

☆ Process Connection: Multidirectional flange

☆ Medium Temperature Span: -40°C~250°C

☆ Accuracy: ±15mm

☆ Supply: 24VDC or 85-265VAC

☆ Explosion proof grade: ExibII CT6 Gb

☆ Signal Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus
 ☆ Application: Solid material, Strong dust, Powder, Lump, Liquids...

#### **HR264 Radar Level Meter**

☆ Measurement Span: 50m (powder);70m(particle);70m(lump materials)

☆ Process Connection: Multidirectional flange

☆ Medium Temperature Span: -40°C~250°C
 ☆ Process Pressure: -1Bar ~ 1 Bar

☆ Accuracy: ±15mm

☆ Supply: 24VDC or 85-265VAC

☆ Explosion proof grade: ExibII CT6 Gb

☆ Signal Output: 4~20mA/HART (2 wires/4 wires) RS485/Modbus

Solid material, Strong dust, Easy to

☆ Application: Crystallization, Condensation occasions

HR266 Radar Level Meter



 ☆ Measurement Span: 0 to 20 meters

 ☆ Process Connection: Thread or Flanges

 △ Medium Temperature Span: 40°C 150°C

☆ Medium Temperature Span: -40°C~150°C

☆ Accuracy: ±3 mm

☆ Supply: 24VDC or 85-265VAC

☆ Explosion proof grade: ExibII CT6 Gb

☆ Signal Output: 4~20mA/HART (2 wires/4 wires); RS485/Modbus

☆ Application: Liquid, Slurry, Condensation, Corrosive liquids.





# HR80G-A 76-81GHz FMCW Radar Level Meter With Conventional Large Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~120°C
 ☆ Process pressure: -0.1~0.3Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

☆ Application: Slightly corrosive liquid, stirring,

water vapor condensation



# HR80G-B 76-81GHz FMCW Radar Level Meter With Universal Blowing Conventional Large Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~120°C
 ☆ Process pressure: -0.1~0.6Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

Application: Strong dust, solids, blocks, powder



### HR80G-C 76-81GHz FMCW Radar Level Meter With Conventional Small Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~120°C
 ☆ Process pressure: -0.1~0.3Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

Application: Slightly corrosive liquid, stirring, condensation



## HR80G-D 76-81GHz FMCW Radar Level Meter With Anti-corrosive Large Flat Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~120°C
 ☆ Process pressure: -0.1~0.5Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

Application: Strong corrosive liquid, stirring, water vapor,

condensation



# HR80G-E 76-81GHz FMCW Radar Level Meter With Anti-corrosive Large Flat Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~220°C
 ☆ Process pressure: -0.3~1.6Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

Application: High temperature, strong corrosive liquid,

stirring, water vapor, condensation



### HR80G-F 76-81GHz FMCW Radar Level Meter With Anti-corrosive Small Flat Lens

☆ Measuring range: 120 m

☆ Signal output: 4~20mA/HART (two-wire/four-wire),

RS485 Modbus

☆ Medium temperature: -40°C~120°C
 ☆ Process pressure: -0.1~1.6Mpa

☆ Measurement accuracy: ±1mm

☆ Explosion-proof grade: Exib IIC T6 Gb

☆ Application: Strong corrosive liquid, stirring, water vapor,

condensation



#### HRF300 Series Radar Water Level Meter

☆ Radar frequency: 24GHz

☆ Measuring range: 0.2~20m/0.2~40m(Optional)
 ☆ Signal output: 4~20mA/RS485 MODBUS/RS232
 ☆ Power supply: 7-32Vdc; 5.5-32Vdc(Optional)

☆ Accuracy: ±3mm/±6mm☆ Operating temperature: -35°C~70°C



### HR1200 60GHz Millimeter Wave Radar Level Sensor

☆ Pressure Range: 0.2-12m(water),0.2-8m(diesel),0.2-6m(gasoline)

Output: RS485 MODBUS RTU

Power Supply: 12Vdc recommended (9-24Vdc available)

Accuracy: ±2mm

Working Temperature: -40°C~85°C

Applications: Water treatment, petrochemical storage tank,

pharmaceutical,food,beverage,refining process...

### **Temperature Transmitter**

HOLYKELL Temperature Sensor/transmitter used high accuracy PT100/PT1000 Temperature Sensor for manufactured, through strict temperature and linear compensation with stability high performance of the mo-dular signal processing technology, apply to differential liquids or gas Media temperature measurement.



# 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, Exiall CT6 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: 9VDC~30VDC
 ☆Pressure port: Insert type

☆Accuracy: 0.5%F.S optional☆Environment temperature: -40°C~85°C

☆Certificate: CE, Exiall CT6 Ga

#### Temperature Measurement





☆ Certificate:

### **HTS103** Isolated Type Temperature Transducers



### HTS104 Integrated Display Type Temperature Transmitter

CE, Exiall CT6 Ga

☆ 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 0.5%F.S optional ☆ Accuracy : ☆ Environment temperature: -40°C~85°C ☆ Certificate: CE, Exiall CT6 Ga



## HTS201 Explosion-Proof Type Temperature Transmitter

☆ Measurement Range: -50°C~400°C Customized

☆ Output: 4~20mA+Hart Protocol, RS485 modbus(HTS205)

☆ Sensor type: PT100, PT1000

☆ Probe Dimension: 8mm
 ☆ Power supply: 12~36VDC
 ☆ Pressure port: Insert type

☆ Accuracy : 0.25%F.S; 0.5%F.S optional

☆ Environment temperature: -40°C~85°C

☆ Certificate: CE, Exiall CT6 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

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# 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 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: Waterproof 3.6V@8500mAh (two sections)

☆ Signal: 2/3/4G GPRS, Lora, NB-IOT

☆ IP Grade: IP66☆ Accuracy: 0.5%F.S

☆ Certificate: CE, ROHS, Exia IIC T6 Ga

☆ Network format: NB-IOT; 4G-GPRS (Global Support); LoRa

#### Temperature Measurement



#### 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: IP67☆ Accuracy: 0.5%F.S

☆ Certificate: CE. ROHS, Exia IIC T6 Ga

☆ Network format: NB-IOT; 4G-GPRS (Global Support); LoRa

### **Flow Meters**

Holykell Flow meters are fully comprehensive (all intelligence) which is developed in using the advanced technology from domestic and foreign countries and consisted of 4800-type Electromagnetic flow sensor, Ultrasonic flow meter, 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, power, pharmaceutical and other industrial areas. It applies to measure (is fit for the measurement of ) the volume flow of conductive medium and non-conductive medium flow including the acid, alkali, salt solution, slurry, pulp, paper pulp, waste water and so on.



#### **4800E Integrated Electromagnetic Flow Meters**

☆ 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 connection,

Clamping connection type

☆ Lining material: PTFE, Soft rubber, Polyurethane rubber, F46 poly

perfluoro ethyleneally

☆ Protection class: IP67

#### **4800 Segregate Electromagnetic Flow Meters**



☆ 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 connection, Clamping

connection type

☆ Lining material: PTFE, neoprene, polyurethane rubber, rubber acid

☆ Certificate: CE
☆ Protection class: IP67





#### **4800E Sanitary Electromagnetic Flow Meters**

±0.5% ☆ Measure accuracy: ☆ 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: Clamping connection type

☆ Protection class: IP67

☆ Application: Food, Medical, Sanitary area



#### **UF2000B Wall-mount Ultrasonic Flow meter**

☆ Pipe Size: 32-1000mm ☆ Working temperature : -30°C~90°C ☆ High-temperature: -30°C~160°C

☆ Flow output signal: 0~10mA/4~20mA/Pulse/MODBUS/HART

☆ Supply voltage: 220VAC or 24VDC

☆ Linearity: 0.5%, Repeatability: 0.2%, Accuracy: ±1%

★ Powerful Recording Function, last 64 days/64 months/5 years



#### PUF2000 Portable Ultrasonic Flow meter



☆ Pipe Size: 32 mm ~1000 mm

☆ Flow range: 0~30m/s

☆ Working temperature : -20°C~160°C

☆ Flow output signal: 4~20mA/MODBUS ☆ Supply voltage: 220VAC or 24VDC

0.5%, Repeatability: 0.2%, Accuracy: ±1% ☆ Linearity:

★ Powerful Recording Function, last 64 days/64 months/5 years

With Printer, LCD, 4x4+2 push button keypad

#### **HUF2000-H Handheld Ultrasonic Flow meter**



☆ Pipe Size: 20-6000mm ☆ Flow range: 0~±32m/s -20°C~160°C ☆ Working temperature :

☆ Communication Interface: RS-232, baud-rate: from 75 to 57600.

3 AAA built-in Ni-H batteries ☆ Supply voltage:

☆ Linearity: 0.5% ☆ Repeatability: 0.2% ☆ Accuracy: ±1%

★ Powerful Recording Function, last 64 days/64 months/5 years LCD

display, LED indicator, 4x4+2 push button keypad

#### UFL9000 Ultrasonic Flow and Level Meter



☆ Pipe Size: 15 mm ~6000 mm

☆ Flow range: 0~±32m/s ☆ Working temperature : -20°C~160°C

☆ Flow output signal: 4~20mA 750Ω load

☆ Supply voltage: 220VAC+15% 50Hz; 24VDC 120mA

☆ Linearity: 0.5% 0.5% ☆ Repeatability: 0.2% ☆ Accuracy: ±1%

☆ Application: Wastewater treatment plant, City sewer flow

and farmland irrigation channels, etc.



#### **HLY Intelligent Liquid Turbine Flow Meter**

☆ Pipe Size: DN 15 mm ~200 mm

☆ Flow range: 0~±32m/s ☆ Medium temperature: -20°C~120°C

☆ Output signal: 4~20mA 750Ω load+Pulse,RS485

☆ Connection Way: Screw, Flange, Clamp sanitary, Plug in type

☆ Supply voltage: 12V±10%, Current: ≤10mA.

#### Flow Measurement



### HFM2000 Smart Micro Liquid Turbine Flow Meter

☆ Pipe Size: 1.0 mm ~10 mm☆ Flow range: 0.03L/min~30L/min

☆ Flow output signal: 4~20mA
 ☆ Working temperature: -10°C~65°C
 ☆ Supply voltage: 12VDC~36VDC
 ☆ Accuracy: ±0.5%~1.0% F.S
 ☆ Diameter: φ 1.0~ 10 mm
 ☆ Application: Diesel flow meter



#### **LGB Orifice Plate Flowmeter**

☆ Pipe Size: 15mm~2000mm

☆ Working Temperature: -40-100 °C (Steam or Gas)

☆ Material: 304SS (Typical) 316L by customize

 $\Rightarrow$  Precision: actual flow rate of ± 1%

☆ Humidity: relative humidity 0-100% lattice

☆ Taps Type: angular contact pressure

(corner joint pressure)

☆ Calculation Standard: ISO 5167-2003☆ Application: liquid, gas, stea

liquid, gas, steam



### **Digital Display & Controller Instrument**

Digital Display Systems Inc. manufactures electronic digital devices such as digital clocks, world timezone digital wall clocks, calendar clocks, master clocks, GPS clocks, wireless network clocks, multi-function LED displays, infrared remote-controlled clocks, digital alarms, elapsed LED timers, count up/countdown timers, continuance timers, argument timers, system timing devices, event counters, production counters, custom LED displays, PC connectible and addressable LED displays.



### 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: Better than 0.2%FS

☆ Channel/Input: Maximum 48 channels, 12 transmitting

output, 18 alarm output optional

☆ Interface: S232/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)

4-20 mA, 0-5V, 0-10V input optional

☆ Size: 96 mm x 96 mm x 100 mm

☆ 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)

4-20 mA, 0-5V, 0-10V input optional

☆ Size: 96 mm× 48 mm× 100 mm

☆ 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: 48 mm× 96 mm ×100 mm

☆ 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 row structure with four LED

☆ Accuracy: ±0.2F.S ±1bit

☆ Alarm output: Two relay output , programmable

☆ Input Signal: 2mV/V, 3.3mV/V, 0-10mA, 0-20mA, 4-20mA,

0-5V, 1-5V, 0-10V

☆ Outer Dimension: 96\*96 CM

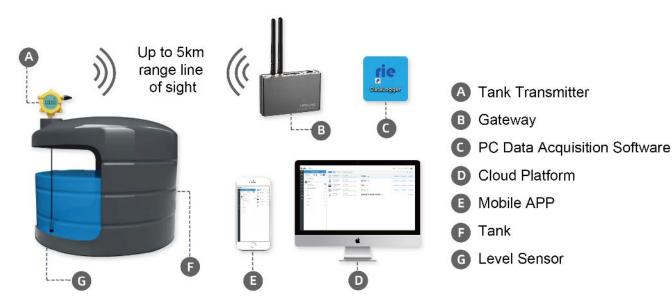
☆ PID output: 0-5V,0-10V,4~20mA optional

☆ Power supply: 85-265VAC, 50-60HZ

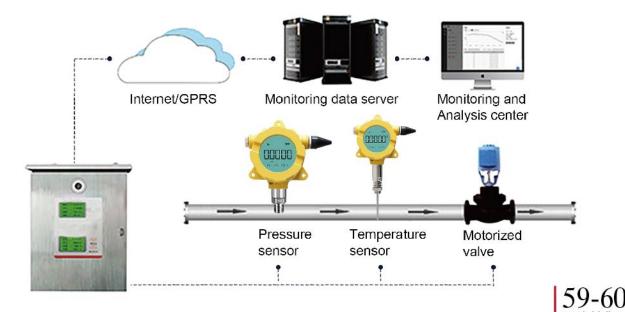
### **Wireless Networking**

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**

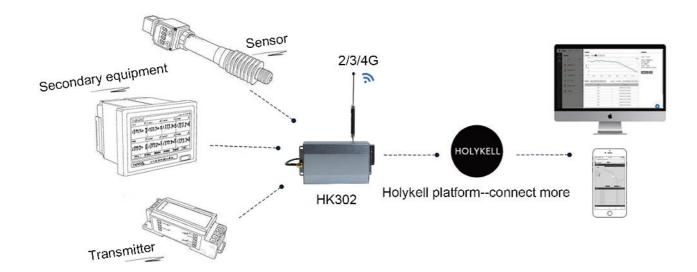


### Wireless Pressure Sensors and Temperature Sensors for Steam Metering and Control System



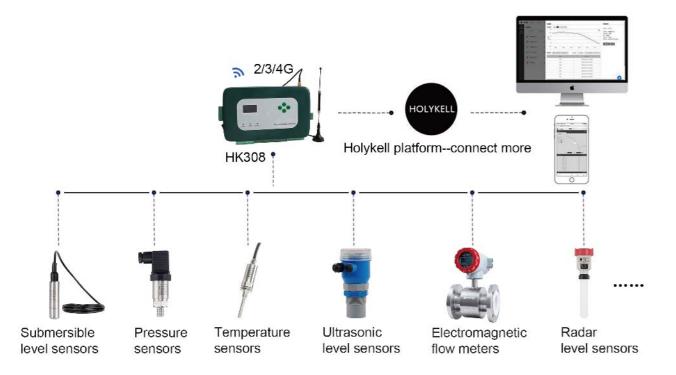
#### **Wireless RTUs for Remote Monitoring**

(For connecting analog instrument, supporting 3 channels)



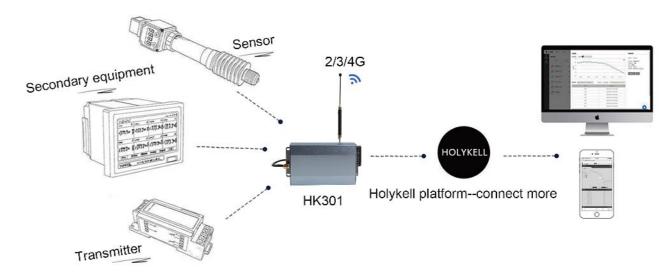
#### Wireless RTUs for Remote Monitoring

(For connecting analog instrument, supporting 8 channels)



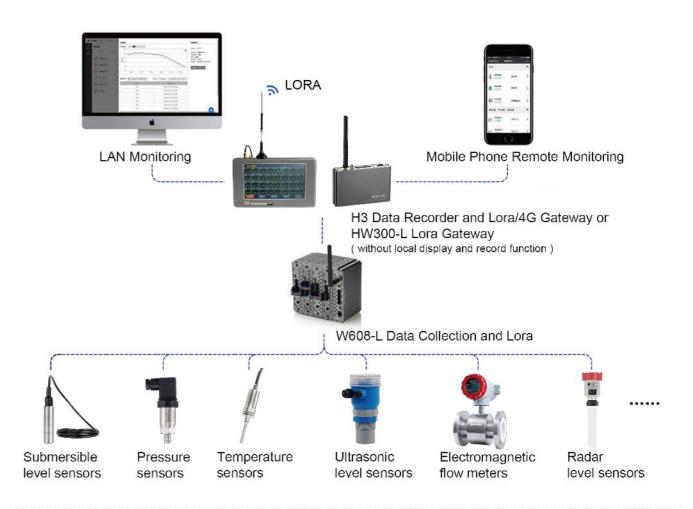
#### **Wireless DTUs for Remote Monitoring**

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



#### **Wireless Modules for Remote Monitoring**

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



### **CERTIFICATE**





















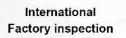


















**Products certification** 





Quality certification system



### WHAT WE PROVIDE

### **QUALITY** WE COMMIT

99.8% on-time delivery

<0.05% repair rate

24 months warranty















Potting glue

2880 mins High and low temperature aging

3 times factory testing

### AFTER-SALES AND TECHNICAL SUPPORT











1 to 1 engineer

#### **ODM SERVICE**

1-2 new products/month USD600,000/year invested on R&D



5+ years experience on **ODM** 



**11** + staff **R&D** team



#### ONE-STOP SOLUTIONS

We focus on sensor for harsh environment

- IOT wireless monitoring
- Weather monitoring
- Flow/Velocity monitoring
- Water Treatment