

**DAXI** Daxin instruments  
Professional manufacturer of instruments and sensors

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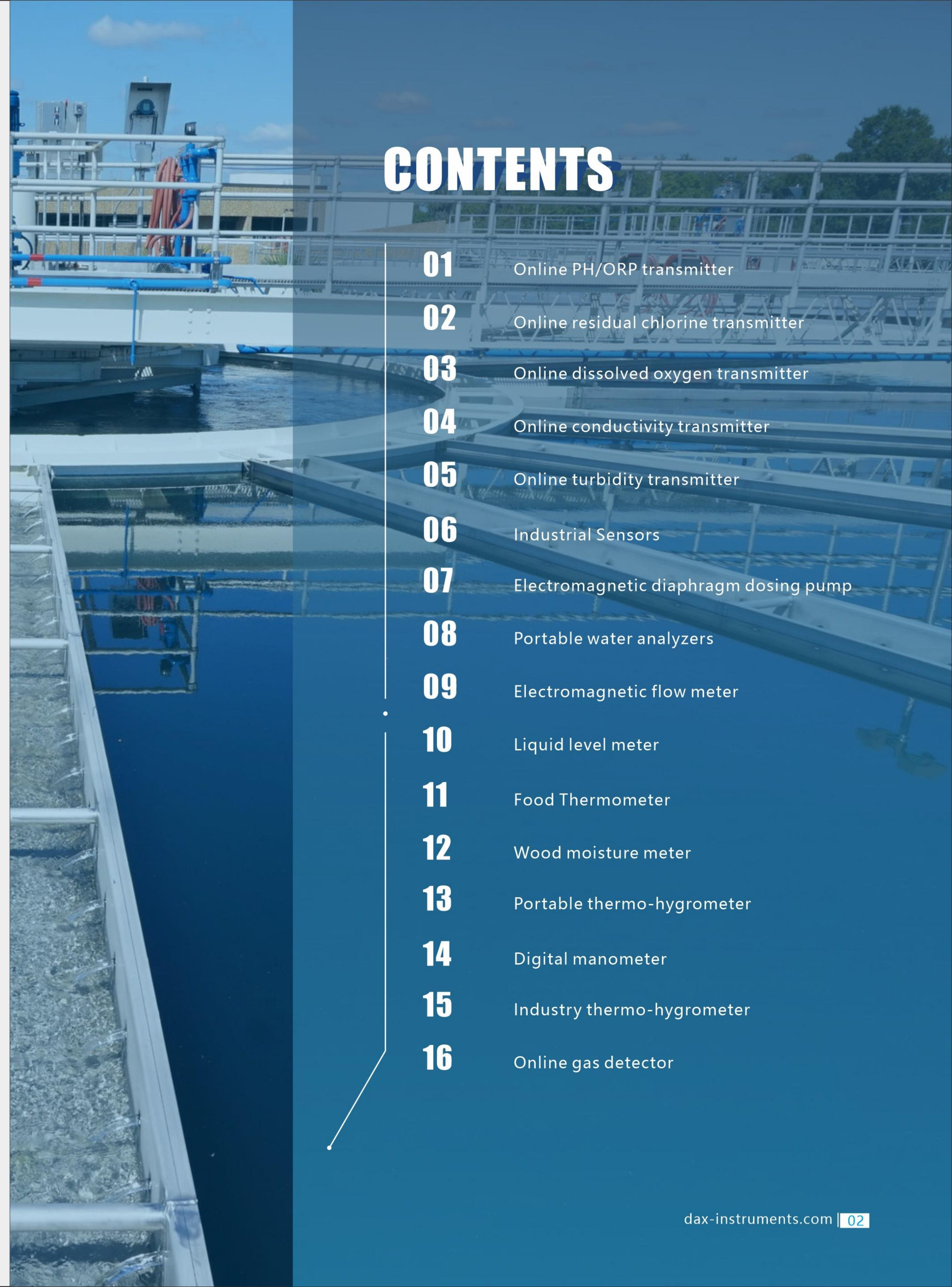
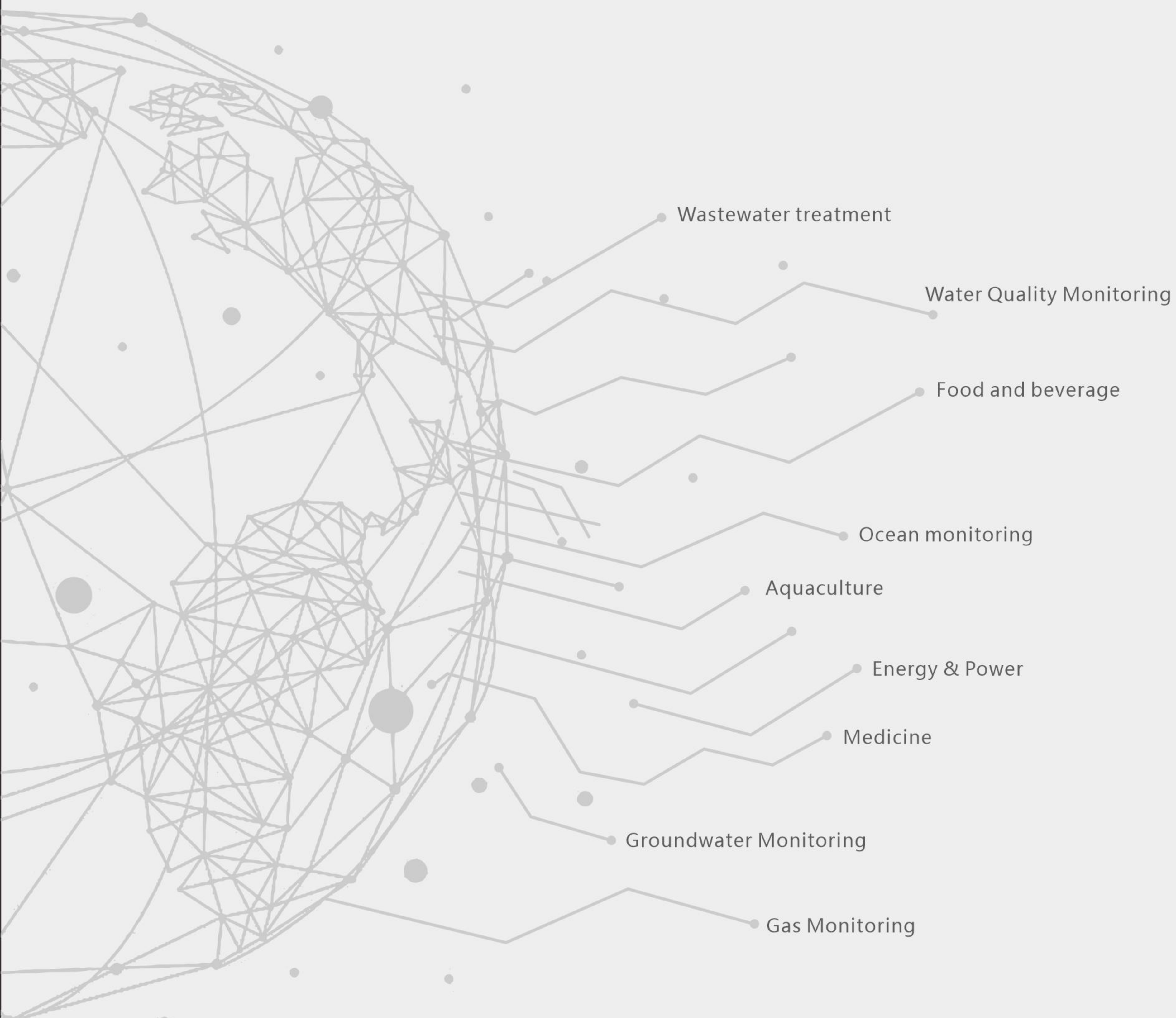
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# PRODUCT | CATALOG

Dongguan Daxin Electronic Technology Co., Ltd.

**DAXI** Daxin instruments  
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# COMPANY PROFILE



Dongguan Daxin Electronic Technology Co., Ltd. is specialized in manufacturing electrochemical sensors and meters for water analysis and gas detection for over 10 years. It is the professional manufacturer of electrochemical instrumentation and electrode combine with the R&D, production and sales.

The main products include pH, ORP, conductivity, ion concentration, dissolved oxygen, turbidity, alkali acid concentration, electrode, VOC and gas detector etc.

It is believed that after such a long accumulation of years, our professional ability in the water treatment and gas treatment industry will also provide better technical support to our partner. Our target is to serve our customers efficiently and creatively in order to save their money and time. Any requirements from you will be responded in 24 hours. We sincerely wish to cooperate with friends all over the world.



# ONLINE PH/ORP TRANSMITTER

**Applications** It is widely used in environmental water treatment, purified water, circulating water, boiler water systems, as well as in manufacturing processes such as electronics, electroplating, printing, dyeing, chemicals, food, and pharmaceuticals. It exhibits excellent performance in applications such as environmental monitoring, wastewater treatment plants, and industrial process monitoring.



PC-9903

## PC-9903/ PC-9901

- 144x144 intelligent online PH/ORP transmitter;
- Outdoor waterproof design;
- Large LCD screen;
- Friendly interface, easy to operate;
- Electrode automatic cleaning contacts;
- Solution grounding function can eliminate the interference of electrified water;
- 2-point automatic calibration; manual/automatic temperature compensation function, and information about the last calibration;
- RS485 Modbus standard communication protocol;
- 3-way relay output, programmatically corresponding to high/low points, alarm point, wash point and time relays of measured values;
- 2-way isolated 4-20mA output, programmable corresponding to PH/ORP/temp;
- 90-240V AC wide power supply, 50/60Hz;
- Support panel/wall/pipe mounting



PC-9965

## PC-9965 / PC-9966

- 96x96 intelligent online PH/ORP transmitter;
- Outdoor waterproof design;
- Large LCD screen;
- Friendly interface, easy to operate;
- Solution grounding function can eliminate the interference of electrified water;
- 2-point automatic calibration; manual/automatic temperature compensation function, and information about the last calibration;
- RS485 Modbus standard communication protocol;
- 2-way isolated 4-20mA output, programmable corresponding to PH/ORP/temp;
- 90-240V AC wide power supply, 50/60Hz;
- Support panel/wall/pipe mounting



PC-9966

## Parameter

Model	PC-9903/ PC-9901	PC-9965	PC-9966
<b>Measuring range:</b>	PH: -2.00~16.00pH; ORP: -1999~+1999mV; Temp: -30.0°C~+140°C		
<b>Resolution:</b>	PH: 0.01pH; ORP: 1mV; Temp: 0.1°C		
<b>Accuracy:</b>	PH: ±0.01pH±1Digit; ORP: ±0.1%±1Digit; Temp: ±0.3°C±1Digit		
<b>Temperature compensation:</b>	Automatic: PT100, PT1000 dual mode selection; Manual: Button setting		
<b>Operating temperature:</b>	-10°C~+60°C		
<b>Storage temperature:</b>	-20°C~+70°C		
<b>Input impedance:</b>	> 10 <sup>12</sup> Ω		
<b>Screen display:</b>	Back light large LCD display		
<b>Digital output:</b>	RS-485 Modbus standard communication protocol.		
<b>Solution grounding:</b>	Can eliminate the interference of the electrified water.		
<b>Power supply:</b>	90~240VAC, 50/60HZ		
<b>Protection level:</b>	IP65		
<b>Installation:</b>	wall, disk, hanging		
<b>Analog output:</b>	Two-way isolated 4-20mA output; programmable corresponding to PH/ORP/temp.		
<b>Relay output:</b>	High low, delay free program setting; Two sets of ON/OFF outputs; 240 VAC Maximum current 3A		
<b>Cleaning contact:</b>	ON 0~9999 sec/OFF 0~999.9 hour; A sets of ON/OFF outputs; 240 VAC Maximum current 3A		
<b>Overall size(HxWxD):</b>	144mmx144mmx115mm	96mm x 96mm x 130mm	96mm x 96mm x 130mm
<b>Hole size(H x W):</b>	138mm x 138mm	93mm x 93mm	93mm x 93mm
<b>Weight:</b>	0.8KG	0.5KG	0.5KG

# RESIDUAL CHLORINE TRANSMITTER

**Applications** It is widely used for continuous monitoring and control of residual chlorine levels in water solutions in various applications, such as drinking water treatment plants, water distribution networks, swimming pools, cooling water systems, and water quality treatment projects.



**CL-1001**  
Membrane  
Residual Chlorine meter

## Features

- 96x96 intelligent online residual chlorine transmitter;
- Outdoor waterproof design;
- Large LCM screen for easy reading;
- Multi-parameter display on the same screen, residual chlorine, hypochlorous acid, temperature, PH value, output current;
- Restore factory setting function, slope correction function;
- Rs485 MODBUS standard communication protocol;
- One way isolated 4~20mA output, programmable corresponding to any residual chlorine value;
- Manual/Automatic pH and temperature compensation function;
- Arbitrary setting of hysteresis to avoid frequent switching of relays.

<b>Measuring range:</b>	Residual chlorine: 0~20mg/L; HOCL: 0~10.00mg/L; PH: 0~14.00PH; Temp: 0~60°C		
<b>Resolution:</b>	Residual chlorine: 0.01mg/L; HOCL: 0.01mg/L; PH: 0.01PH; Temp: 0.1°C		
<b>Accuracy:</b>	Residual chlorine: ±1% or ±0.01mg/L; HOCL: ±1% or ±0.01mg/L; PH: ±0.02PH; Temp: ±0.5°C		
<b>Temperature compensation:</b>	Manual/automatic PH compensation function(0-14) and temperature compensation(0~60°C)		
<b>Operating temperature:</b>	0°C~60°C, RH≤90%		
<b>Storage temperature:</b>	-20°C~+70°C		
<b>Input impedance:</b>	> 10 <sup>12</sup> Ω		
<b>Screen display:</b>	Back light type large LCM display		
<b>Analog output:</b>	One way isolated 4~20mA output		
<b>Digital output:</b>	RS-485 Modbus standard communication protocol.		
<b>Relay output:</b>	High low, delay free program setting; Two sets of ON/OFF outputs; 240 VAC Maximum current 0.5A		
<b>Power supply:</b>	100~240VAC, 50/60HZ		
<b>Protection level:</b>	IP65		
<b>Installation:</b>	wall, disk, hanging		
<b>Overall size(HxWxD):</b>	96mm x 96mm x 130mm	<b>Hole size(H x W):</b>	93mm x 93mm
<b>Weight:</b>	0.5KG		

# RESIDUAL CHLORINE TRANSMITTER

## Features

- 96x96 intelligent online residual chlorine transmitter;
- Friendly menu design, easy to operation;
- Three kinds of display methods can meet the different requirements of users;
- Provide chlorine zero calibration and slope calibration, menu design clarity;
- Provide time function;
- 12864 liquid crystal screen;
- Watchdog function to ensure the normal operation of the instrument.



**CL-8001**  
Constant Voltage  
Residual Chlorine meter

## Applications

Widely used for continuous monitoring of residual chlorine of various water quality in power, water plants, hospitals, chemical industry, food industry and other industries.

<b>Measuring range:</b>	Residual chlorine: 0~20mg/L or 0~200mg/L; Temp: 0~99.9°C		
<b>Resolution:</b>	Residual chlorine: 0.01mg/L; Temp: 0.1°C		
<b>Accuracy:</b>	Residual chlorine: ±1% or ±0.01mg/L (take the bigger); Temp: ±0.5°C(0~50.0°C)		
<b>Minimum Detection limit:</b>	0.01mg/L		
<b>Repeatability:</b>	Residual chlorine: ±0.01mg/L		
<b>Stability:</b>	Residual chlorine: ±0.01(mg/L)/24H		
<b>Output current error:</b>	≤1%FS		
<b>Isolated current output:</b>	4~20mA(load<750Ω) Independent selection of measurement parameters (FAC, T)		
<b>High and low alarm replays:</b>	AC220V, 5A; Each path can independently select the corresponding measurement parameters.(FAC, T)		
<b>Rs485 communication:</b>	Partially compatible Modbus protocol		
<b>Operating temperature:</b>	0°C~60°C, RH<85%		
<b>Installation:</b>	Rack-mounted, Panel embedded		
<b>Overall size(HxWxD):</b>	96mm x 96mm x 118mm	<b>Hole size(H x W):</b>	92mm x 92mm
<b>Weight:</b>	0.5KG		

# DISSOLVED OXYGEN TRANSMITTER

**Applications** Widely used in chemical, fertilizer, metallurgy, environmental protection, water treatment projects, pharmaceutical, biochemical, food, aquaculture and tap water, such as continuous monitoring of dissolved oxygen value.



**DO-8910**

Membrane DO meter

## Features

- 96x96 intelligent online dissolved oxygen transmitter;
- Outdoor waterproof type design;
- Large LCM screen for easy reading;
- Multiparameter display on the same screen: dissolved oxygen, temperature, alarm point, output current;
- The screen displays the alarm status and can be accompanied by switch ON signal output;
- RS485 communication interface, 4~20mA current output;
- LCD backlight can be selected, energy-saving mode, automatic shutdown at regular time;
- Password management function to prevent misoperation by non-professionals.

<b>Measuring range:</b>	O2: 0.00~20.00mg/L; Temp: 0~60°C		
<b>Resolution:</b>	O2: 0.1mg/L; Temp: 0.1°C		
<b>Accuracy:</b>	O2: ±0.5% ±1 Digit; Temp: 0.2°C±1Digit		
<b>Temperature compensation:</b>	0°C~60°C		
<b>Operating temperature:</b>	0°C~50°C		
<b>Storage temperature:</b>	-20°C~+70°C		
<b>Screen display:</b>	Back light type large LCM display		
<b>Analog output:</b>	One way 4~20mA isolation protection output. Corresponding to DO and Temp value setting		
<b>Digital output:</b>	Modbus RS-485 standard communication protocol.		
<b>Relay output:</b>	High low, delay free program setting; Two sets of ON/OFF outputs; 240 VAC Maximum current 0.5A		
<b>Power supply:</b>	90~240VAC, 50/60HZ		
<b>Installation:</b>	wall, disk, hanging		
<b>Overall size(HxWxD):</b>	96mm x 96mm x 130mm	<b>Hole size(H x W):</b>	93mm x 93mm
<b>Weight:</b>	0.5KG		



**DO-9162**

Optical (Fluorescence) method DO meter



**DO-9130**

Optical (Fluorescence) method DO meter

## Features For Optical Sensor

Fluorescence dissolved oxygen sensor adopts a new generation of fluorescence technology, and our company independently develops high-performance fluorescent materials. It does not consume oxygen, has no flow rate limit, does not need electrolyte, is free from maintenance and calibration, is not disturbed by hydrogen sulfide, and has excellent stability. Built in temperature sensor, automatic temperature compensation.

- **Hydrophobic membrane, not attached by pollutants in water;**
- **No interference and frequent calibration;**
- **No oxygen consumption, no flow rate limit;**
- **Built in temperature sensor, automatic temperature compensation.**

## Working Principle

Fluorescence dissolved oxygen is composed of three parts: optical path system, fluorescence sensitive film and optical detection system. After the probe is inserted into the medium to be measured, the oxygen in the medium immediately diffuses into the organic silicon molecular layer and quickly reaches equilibrium. The modulated blue light hits the fluorescent layer, and the fluorescent molecules generate red fluorescence. Fluorescent molecules are destroyed after encountering oxygen, the fluorescence intensity and response time change with oxygen content, and the change in fluorescence response time is detected to determine the oxygen content.

<b>Measuring range:</b>	O2: 0~20mg/L; 0~200% saturation		
<b>Response time t90:</b>	60s	<b>Temperature:</b>	-10°C~+60°C
<b>Operating temperature:</b>	-20°C~+60°C;	<b>Storage temperature:</b>	-20°C~+70°C
<b>Working pressure:</b>	≤10Bar	<b>Repeat error:</b>	±0.5%
<b>Maximum error:</b>	±1%	<b>Calibration:</b>	one point calibration
<b>Protection level:</b>	Transmitter: Ip65; Sensor: Ip68		
<b>Power:</b>	Transmitter: 220V AC; Sensor: DC24V DC		
<b>Lifetime:</b>	Sensor body: 5 years; Sensor cap: 1 year		
<b>Temperature compensation:</b>	NTC automatic temperature compensation		
<b>Material:</b>	Sensor body: 316 stainless steel; Sensitive part: Silicone, Teflon		
<b>DO-9162</b>	<b>Overall size(HxWxD):</b>	96mm x 96mm x 130mm	<b>Hole size(H x W):</b> 93mm x 93mm
	<b>Weight:</b>	Transmitter: 0.5KG; Sensor: 0.7KG	
<b>DO-9130</b>	<b>Overall size(HxWxD):</b>	144mm x 144mm x 115mm	<b>Hole size(H x W):</b> 138mm x 138mm
	<b>Weight:</b>	Transmitter: 0.7KG; Sensor: 0.7KG	

## CONDUCTIVITY TRANSMITTER

**Applications** Widely used in scientific experiment equipment, chemical, pharmaceutical, environmental protection, metallurgy, papermaking, food, beverage, water supply, RO, ultrapure water, cooling water, boiler water, industrial process and water treatment and other water quality monitoring.



EC-6801

Conductivity Meter

### Features

- 96x96 intelligent online conductivity transmitter;
- Outdoor waterproof design;
- Large LCM screen for easy reading;
- Multiparameter display on the same screen: conductivity, output current, temperature, digital communication, upper limit control;
- The conductivity temperature compensation coefficient and TDS conversion coefficient can be adjusted freely;
- Dual-circuit relays can control conductivity and temperature separately, and the hysteresis can be adjusted freely;
- LCD backlight can be selected, energy-saving mode, automatic shutdown at regular time;
- Password management function to prevent misoperation by non-professionals.

<b>Measuring range:</b>	0.02~20uS/cm (with K- 0.01 sensor); 0.2~200uS/cm (with K- 0.1 sensor); 2.0~2000uS/cm (with K- 1.0 sensor); 20~20000uS/cm (with K- 10 sensor).		
<b>Sensor:</b>	Cell constant: 0.01cm-1, 0.1cm-1, 1.0cm-1, 10.0cm-1, Material: Stainless steel Temperature compensation element: NTC 10K Temperature display range: 0~100°C(Resolution: 0.1°C) Medium temperature: 5~100°C Thread size: 1/2", 3/4", other sizes customizable; Medium pressure: 0~0.5Mpa		
<b>Temperature compensation:</b>	Based on 25°C, the coefficient can be modified		
<b>Working environment:</b>	Operating temperature:0~60°C; Relative humidity: ≤90%		
<b>Storage temperature:</b>	-20°C~+70°C		
<b>Screen display:</b>	Back light type large LCM display		
<b>Analog output:</b>	One way 4~20mA isolation protection output.		
<b>Digital output:</b>	Modbus RS-485 standard communication protocol.		
<b>Relay output:</b>	High low, delay free program setting; Two sets of ON/OFF outputs; 240 VAC Maximum current 0.5A		
<b>Power supply:</b>	90~240VAC, 50/60HZ	<b>Installation:</b>	wall, disk, hanging
<b>Overall size(HxWxD):</b>	96mm x 96mm x 130mm	<b>Hole size(H x W):</b>	93mm x 93mm
<b>Weight:</b>	0.5KG		

## TURBIDITY TRANSMITTER



DX-TURB04/ DX-SS06

Turbidity Meter/  
Suspended solids meter

### Features

- Good pollution resistance: the optical surface of the sensor adopts nano anti-fouling material with self-cleaning function, and the sensor is used continuously for 2 months in a sewage environment, and its surface is still clean;
- Strong anti-environmental interference ability: The sensor uses a modulated light source, and can be used directly without special shading equipment in an environment without direct sunlight.

### Working Principle

The concentration of suspended particles in sewage is very high. If the traditional 90-degree scattering measurement is used, it is difficult to obtain accurate measurement results because the suspended particles block a large amount of incident light and scattered light. Therefore, we use 30-degree scattered light Take measurements. The optical surface of the sensor adopts a unique nano anti-fouling coating, which can ensure that the sensor is maintenance-free within 2 months.

<b>Product Name:</b>	SS meter/ Sludge Concentration meter/ Turbidity meter		
<b>Model Number:</b>	DX-TURB04 (NTU meter)		DX-SS06 (TSS meter)
<b>Measuring range:</b>	Clean water turbidity sensor	Sewage turbidity sensor	TSS sensor
	0-4000NTU	0-6000NTU	0-20000mg/L
<b>Operating temperature:</b>	-20°C~+60°C;	<b>Response time t90:</b>	60s
<b>Working pressure:</b>	≤10Bar	<b>Storage temperature:</b>	-20°C~+70°C
<b>Maximum error:</b>	±1%	<b>Protection level:</b>	Ip68
<b>Calibration:</b>	Multi-point calibration	<b>Repeat error:</b>	±0.5%
<b>Lifetime:</b>	Sensor body: 5 years	<b>light source:</b>	860nm
<b>Overall size(HxWxD):</b>	144mm x 144mm x 115mm	<b>Hole size(H x W):</b>	138mm x 138mm
<b>Power:</b>	Transmitter: 220V AC; Sensor: 24V DC		
<b>Material:</b>	Sensor body: 316 stainless steel; Light path part: Sapphire/POM		
<b>Weight:</b>	Transmitter: 0.7KG; Sensor: 0.7KG		
<b>Signal output:</b>	RS485 MODBUS RTU or 4-20mA analog output		
<b>Maintenance:</b>	Brush the optical glass surface of the sensor with a brush every two months.		

# PH SENSORS

**Applications** PH value detection for various industrial processes, sewage treatment, neutralization reaction, detoxification (electroplating), hydrological monitoring, water treatment, circuit board, printing and dyeing, etc.



DX-100

Glass PH electrode



DX-200

Glass pH temperature compensation sensor



DX-250

Glass PH high temperature electrode

Model:	DX-100	DX-200	DX-250
Measuring range:	0~14PH	0~14PH	0~14PH
Temperature:	0~80°C	0~80°C	0~95°C
Response Time:	≤10Sec	≤10Sec	≤10Sec
Slope:	≥95%	≥95%	≥95%
Material:	Glass	Glass	Glass
Sterilization Temp:	/	/	130°C
Liquid Junction:	PTFE	PTFE	Ceramic Core
Thread:	PG13.5 thread	PG13.5 thread	PG13.5 thread
Zero Potential:	7.0±0.2pH	7.0±0.2pH	7.0±0.2pH
Connector:	BNC/Y	BNC/Y	BNC/Y
Pressure Range:	0.6MPa	0.6MPa	0.6MPa
Cable:	3~50m	3~50m	5m

- Double junction design, enhancing pollution buffering performance of reference solution, extending service life.
- PTFE reference interface and oily internal reference design, reducing clogging and slowing down oozing speed of KCL, suitable for monitoring high pollution wastewater.
- Large thickness and high impedance bulb, high structural strength, uneasy to break by impact.
- Large bulb design, 0-14 full measurement range accuracy guarantee.

# PH SENSORS

**Applications** Suitable for environmental protection, sewage treatment, online monitoring.



DX-300

PH electrode



DX-350

pH temperature compensation sensor



DX-120

PH antimony electrode



DX-500

PH desulfurization denitrification electrode

Model:	DX-300	DX-350	DX-120	DX-500
Measuring range:	0~14PH	0~14PH	0~14PH	0~14PH
Temperature:	0~80°C	0~80°C	0~60°C	0~60°C
Accuracy:	≤0.02PH	≤0.02PH	≤0.02PH	≤0.02PH
Response Time:	≤10Sec	≤10Sec	≤10Sec	≤10Sec
Slope:	≥96%	≥96%	≥96%	≥96%
Impedance:	≥20x10 <sup>6</sup> Ω	≥20x10 <sup>6</sup> Ω	≥20x10 <sup>6</sup> Ω	≥20x10 <sup>6</sup> Ω
Drift:	≤0.03PH/24H	≤0.03PH/24H	≤0.03PH/24H	≤0.03PH/24H
Zero Potential:	E0=7pH	E0=7pH	E0=7pH	E0=7pH
Material:	PC, PPS	PC, PPS	PC, PPS	PC, PPS
Thread:	NPT3/4 Thread	NPT3/4 Thread	NPT3/4 Thread	NPT3/4 Thread
Connector:	BNC/Y	Y	BNC/Y	BNC/Y
	wire connection	wire connection	wire connection	wire connection
Pressure Range:	0.6MPa	0.6MPa	0.6MPa	0.6MPa
Cable:	2~5m	2~5m	2~5m	2~5m

- Covered by shielding case, no electromagnetic interference.
- Sensor body is made of PPS (polyphenylene sulfide), resistance to corrosion and high temperature.



## ORP SENSORS

**Applications** Widely used in the detection of oxidation-reduction potential in medicine, chlor-alkali chemicals, pigments and dyes, pulp and paper, intermediates, fertilizers, starch, environmental protection, and electroplating industries.



ORP-100

Glass ORP electrode



ORP-600

ORP electrode

Model:	ORP-100	ORP-600
Measuring range:	-2000~+2000mV	-2000~+2000mV
Temperature:	0°C~100°C	0°C~100°C
Thread:	PG13.5 Thread	Front end 3/4" pipe thread
Connector:	BNC/Y	BNC/Y
Pressure Range:	0~6.9 Bar(25°C)	0~6.9 Bar(25°C)
Cable:	5m	5m

### Features

- Double junction design, enhancing pollution buffering performance of reference solution, extending service life.
- PTFE reference interface and oily internal reference design, reducing clogging and slowing down oozing speed of KCL, suitable for monitoring high pollution wastewater.
- Covered by shielding case, no electromagnetic interference.
- Sensor body is made of PPS (polyphenylene sulfide), resistance to corrosion and high temperature.

## EC SENSORS

**Applications** Used to measure the conductivity of weak electrolyte water such as industrial water, cooling water, tap water, and purified water.



DJS-1

Conductivity electrode



EC-0.01

Conductivity electrode

Model:	DJS-0.1	DJS-1	DJS-10
Cell Constant:	0.1±0.02	1±0.2	10±2
Measure Range:	0-199.9uS/cm	0-19990uS/cm	0-199.9mS/cm
Cell Materials:	Glass/Pt	Glass/Pt	Glass/Pt
Accuracy:	≤0.01	≤0.01	≤0.01
Connector:	BNC / Y / PIN	BNC / Y / PIN	BNC / Y / PIN
Response time:	≤5 sec	≤5 sec	≤5 sec

### Parameters for EC-0.01

Cell constant:	K=0.01	K=0.1	K=1.0	K=10.0
Measuring range:	0.01~20 uS/cm	0.1~200 uS/cm	1.0~2000uS/cm	10~20000 uS/cm
Probe Material:	316L or titanium	316L and platinum black	316L and platinum black	Polysulfone and platinum black
Material:	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Accuracy:	1%	1%	1%	1%
Medium temp:	0~100°C	0~100°C	0~100°C	0~100°C
Thread:	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
Cable:	3m	3m	3m	3m
Connection:	Hard, hose, flange, etc., the pipe diameter is Φ6, Φ8, Φ12, etc.			
Temperature compensating element:	NTC 2.252K, NTC 10K, Pt100, or Pt1000, customized according to customer requirements.			

## RESIDUAL CHLORINE SENSORS

### CL-650 Membrane Residual Chlorine sensor



<b>Measuring range:</b>	0.005~20mg/L HOCL
<b>Accuracy:</b>	2% or ±0.01mg/L HOCL
<b>Response time:</b>	90% <90 Sec
<b>Sample flow rate:</b>	200~250ml/min
<b>Storage temp:</b>	-20°C~+60°C
<b>Operating temp:</b>	2°C~45°C
<b>Calibration method:</b>	Laboratory comparison method
<b>Calibration interval:</b>	2 month
<b>Sample pH range:</b>	5-7PH
<b>Pressure range:</b>	0~1bar
<b>Sensor size:</b>	Diameter 20mm, Length 70mm
<b>Maintenance interval:</b>	Replacement of a membrane and electrolyte every six months

**Principle** CL-650 is a membrane type sensor. The residual chlorine in the measured liquid diffuses to the cathode through the diaphragm. The current intensity generated by the proper polarization voltage between the cathode and the anode can be converted into the residual chlorine concentration.

### CL-238 Constant Voltage Residual Chlorine sensor



<b>Measuring range:</b>	0~2mg/l, 2~20mg/l, 0~200mg/l
<b>Resolution:</b>	0.01mg/L, 0.1°C
<b>Accuracy:</b>	±1%, ±0.5°C
<b>Working temp:</b>	0-60°C
<b>Electrode material:</b>	2 platinum ring
<b>Reference electrode:</b>	Gel with annular contact
<b>Material:</b>	Glass
<b>Working pressure:</b>	10bar at 20 °C
<b>Cable:</b>	3m high impedance low noise shielded cable
<b>Sensor size:</b>	Diameter 12mm, Length 110mm

**Principle** CL-238 is a constant voltage sensor, which consists of two platinum electrodes and a reference electrode to form a micro battery measurement system. During the measurement, a stable potential is maintained at the electrode measuring end, and different measured components produce different linear current strengths under this potential.

## DISSOLVED OXYGEN SENSORS

**Applications** Widely Used in urban and industrial wastewater treatment, aquaculture and environmental monitoring industries.



DO-850

Clark DO sensor



DO960-S423

Fluorescence method DO sensor

<b>Model:</b>	DO-850		
<b>Measuring range:</b>	0-20 mg/L(ppm), 0-200%	<b>Response time:</b>	≤1min(90%, 20°C)
<b>Temperature range:</b>	0- 60°C	<b>Polarization time:</b>	2h
<b>Measurement principle:</b>	Current sensor	<b>Minimum flow rate:</b>	2.5cm/s
<b>Permeable film capacity:</b>	50µm	<b>Cable length:</b>	10m
<b>Electrode material:</b>	UPVC or 316L	<b>Thread:</b>	3/4 pipe thread
<b>Sensing material:</b>	POM outer tube, silver tube and gold wire have temperature compensation function.		

<b>Model:</b>	DO960-S423		
<b>Thread:</b>	3/4" BSP	<b>Max Working Pressure</b>	5 bar
<b>Measuring ranges:</b>	0~20 mg/L	<b>Maximum absorption</b>	2W
<b>Measuring method:</b>	Optical measure by luminescence	<b>Mechanical protection</b>	IP68 sensor + cable
<b>Accuracy:</b>	±0.2mg/L when < 5 mg/L; ±0.3mg/L when > 5 mg/L	<b>Cabel</b>	10m
<b>Repeatability:</b>	±0.01mg/L	<b>Power supply</b>	9-24V DC
<b>Response:</b>	<1 min	<b>Water move</b>	No
<b>Refreshing time:</b>	<1 Sec	<b>Temp Compensation</b>	Via internal NTC
<b>Working temperature:</b>	0~50°C, Accuracy ± 0.2°C	<b>Luminophore diameter</b>	10mm
<b>Signal interface:</b>	RS485 Modbus RTU Protocol.		
<b>Materials:</b>	AISI 316 and PVC Body; Special glass optics; NBR and sylicon O-Rings		
<b>Sensor size:</b>	Diameter 33mm, Length 190mm		

## DIGITAL DO SENSORS

**Principle** Fluorescence dissolved oxygen sensor adopts a new generation of fluorescence technology, and our company independently develops high-performance fluorescent materials. IT DOES NOT CONSUME OXYGEN, HAS NO FLOW RATE LIMIT, DOES NOT NEED ELECTROLYTE, IS FREE FROM MAINTENANCE AND CALIBRATION, IS NOT DISTURBED BY HYDROGEN SULFIDE, AND HAS EXCELLENT STABILITY. Built in temperature sensor, AUTOMATIC TEMPERATURE COMPENSATION.

### Features:

- 1 Hydrophobic membrane, not attached by pollutants in water;
- 2 No interference and frequent calibration;
- 3 No oxygen consumption, no flow rate limit;
- 4 Built in temperature sensor, automatic temperature compensation.



Hydrophobic membrane



No interference



No frequent calibration



No oxygen consumption



DX-DO550

Rs485 Optical DO Sensor

### Technical parameter:

Measuring range:	0~20mg/l or 0~200% saturation
Principle	Fluorescence method
Response Time	10s
Accuracy	±5%
Drift	<1%/Year
Temperature Sensor	NTC
Temperature Range	0~50°C
Storage Temperature	-20°C~+80°C
Output Signal	Rs485 standard MODBUS Protocol
Waterproof Grade	IP68
Pressure	1 bar
Material Science	316/POM/ Titanium alloy
Size	Φ22 X 160mm
Power Supply	9-24V DC, electric current <10mA
Cable Length	5 Meters

## DIGITAL PH/ORP/EC SENSORS

**Applications** Widely Used in urban and industrial wastewater treatment, aquaculture and environmental monitoring industries.



DX-PH30

Rs485 pH sensor



DX-ORP60

Rs485 pH sensor



DX-EC206

Rs485 EC sensor

### DX-PH30

Measuring range:	0~14pH	Wetted material:	PPS
Resolution:	0.01pH	Mounting method:	Immersion mounting
Accuracy:	±0.1pH	Thread:	3/4" NPT
Working temperature:	0~65°C	Cable length:	5 meters, customized
Working pressure:	<0.2MPa	Calibration:	Two-point calibration
Temperature compensation:	Auto	Power consumption:	<0.5W
Power supply:	9-24V DC ±10%	Protection grade:	Ip68
Signal output:	Rs485 Modbus RTU or 4-20mA (Customization);		

### DX-ORP60

Measuring range:	-1999mV ~ +1999mV	Power supply:	9-24V DC
Temp range:	0°C~50.0°C	Power dissipation:	1W
Accuracy:	mV:±1 mV; Temperature: ±0.5°C	Cable length:	5 meters, customized
Resolution:	mV:1 mV; Temperature: 0.1°C	Overall size:	200mm×φ38mm
Signal output:	Rs485 Modbus RTU or 4-20mA (Customization)		
Installation:	Immersion mounting, pipeline, circulation type etc.		

### DX-EC206

Measuring range:	0-200mS/cm (customization)	Pressure range:	0-4bar
Temp range:	0.0...60.0°C	Shell material:	ABS/PPS
Accuracy:	2% (±1uS/cm)	Thread:	NPT3/4
Resolution:	1 uS/cm	Protection grade:	Ip68
Power supply:	9-24V DC	Cable length:	1m, 5m or customization
Temperature compensation:	Automatic		
Signal output:	Rs485 Modbus RTU or 4-20mA (Customization)		

## DIGITAL PH/ORP TRANSMITTER

**Applications** For pH/ORP online measurement of waste water treatment, pure water, drinking water, surface water, water supply, industrial sewage, cost efficient for basic industrial application.



**DX-PH36**  
Digital pH transmitter



**DX-ORP36**  
Digital ORP transmitter

- Probes are replaceable, saving maintenance costs;
- Multiple signal output is optional: 4-20mA (4 wire analog), RS485(Modbus/RTU, digital).
- Easy connect to PLC, industrial computer, controller, data logger or touch screen for online monitor and control.
- Dual high-impedance differential amplifier, strong anti interference, fast response.
- Patented pH and ORP probe, inner reference solution is promote by at least 100KPa pressure, extremely slow exudation. So that the potential is very stable long-termly, and the lifetime of the reference electrode several times than normal industrial probe.
- The probe use gold plate VP header for plug connection. Threaded fastening, very easy to replace the probe.
- Easy mounting. The 3/4" NPT thread is easy for pipe and tank mounting. The probe can be also separated with the display header, connect by cable.

<b>Measuring range:</b>	pH: 0.00~14.00 Ph; ORP: -1999~+1999mV;
<b>Display:</b>	1.3 inch OLED screen;
<b>Signal output:</b>	RS485 MODBUS RTU and 4-20mA output can be choosed;
<b>Supply voltage:</b>	9-24V DC;
<b>Display content:</b>	pH/ORP; temperature;
<b>Protection Grade:</b>	Transmitter: IP65; pH/ORP sensor: IP68;
<b>Advantages:</b>	pH and Orp can be switched;
<b>Calibration:</b>	pH two point calibration; Orp one point calibration
<b>Temperature compensation:</b>	Automatic;
<b>Advantage:</b>	Probes are replaceable, saving maintenance costs;

## TURBIDITY SENSOR

### Principle:

#### Clear water turbidity sensor (0~4000NTU):

Turbidity is caused by the suspended particles in water, which will reflect the incident light diffusely. Usually, the scattered light in the direction of 90 degrees is used as the test signal. In this way, the unit tested is called NTU. After several experimental studies and theoretical calculations, it is found that the ratio of scattered light to transmitted light is in line with turbidity. In the sensor, the ratio of scattered light to transmitted light is used instead of simply scattered light to measure turbidity. The accuracy and reliability of the sensor are improved, the maintenance is simpler, and anti-pollution property is enhanced.

#### Sewage turbidity sensor (0~6000NTU / 0~20000mg/l):

The concentration of suspended matter particles in sewage is very high. If traditional 90-degree scattering measurement is adopted, it is difficult to obtain accurate measurement results because suspended particles block a large amount of incident and scattered light. Therefore, we use 30-degree scattered light for measurement. The sensor's optical surface is coated with a unique nano antifouling coating that ensures the sensor doesn't require maintenance for two months.



**DX-HXSS06/ DX-MLSS06**  
Turbidity and TSS sensor

<b>Product Name:</b>	Turbidity sensor/ SS sensor/ Sludge Concentration sensor
<b>Measuring range:</b>	0-4000NTU/ 0-6000NTU/ 0-20000mg/l
<b>Response time:</b>	60S
<b>Light Source:</b>	860nm
<b>Maximum error:</b>	±1%FS
<b>Service Life:</b>	5 Years
<b>Repeatability:</b>	±0.5%FS
<b>Working Temperature:</b>	-20°C ~ +60°C
<b>Storage Temperature:</b>	-20°C ~ +70°C
<b>IP grade:</b>	Ip68
<b>Working pressure:</b>	≤10Bar
<b>Main Materials:</b>	316SS, POM
<b>Calibration:</b>	Multi-point calibration
<b>Power supply:</b>	9-24V DC
<b>Weight:</b>	0.7KG
<b>Signal output:</b>	RS485 MODBUS RTU or 4-20mA output

## FOUR-POLE CONDUCTIVITY SENSOR

### Features:

This Four-pole Graphite Online Conductivity sensor is newly designed by our R&D team of DAXIN. It is mainly used for sea and ocean water testing. Four-pole conductivity sensor make it has a wider range till 200mS/cm and much higher accuracy.

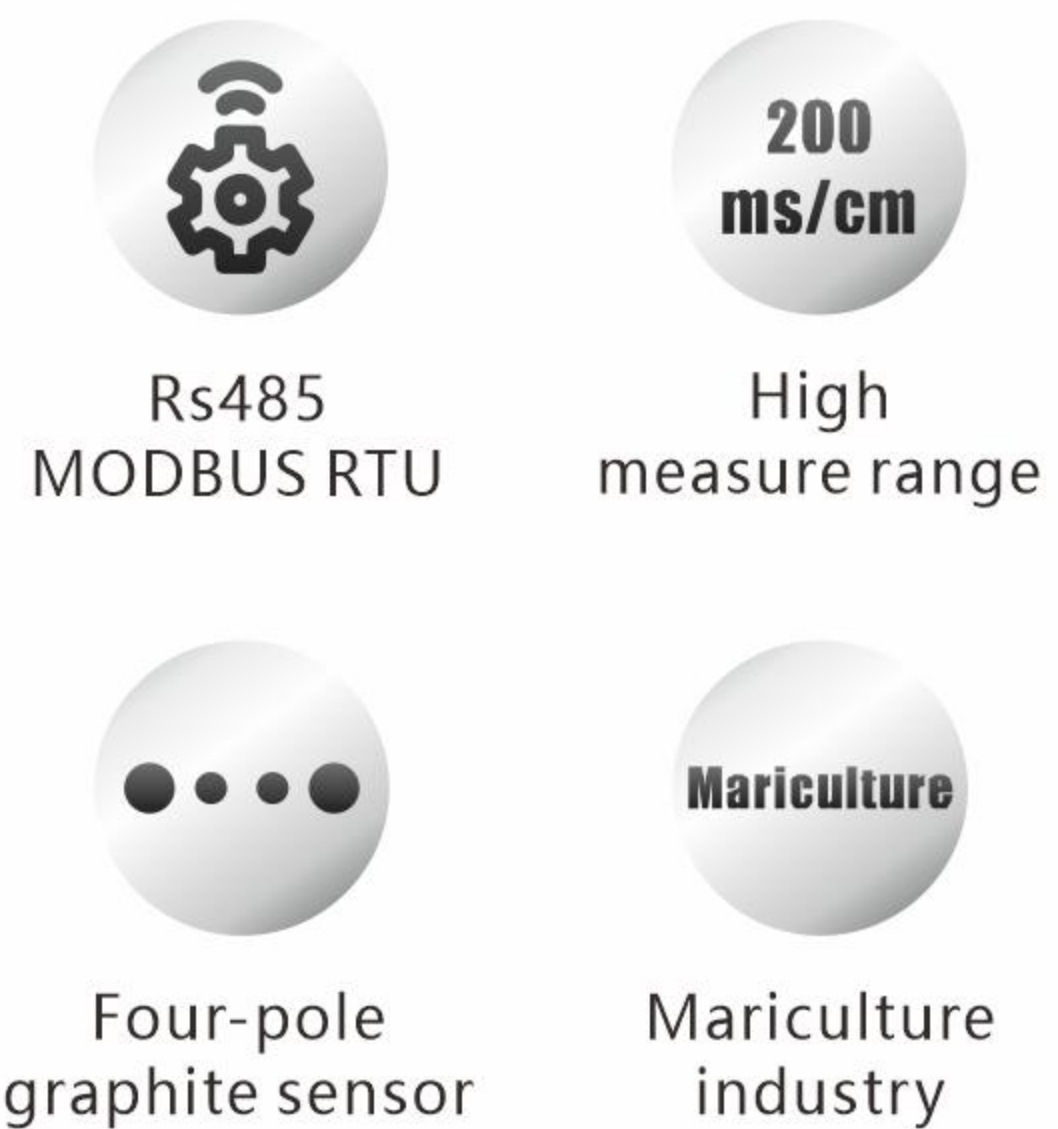


**DX-EC206F**

Four-probe conductivity sensor

It is specially used in Mariculture industry. And other water quality industry are available, such as drinking water detection, boiler water detection, food and beverage Chemical industry, biopharmaceutical industry, RO and pure water process, etc;

Any special requirements, welcome to contact us.



<b>Product Name:</b>	Four-probe conductivity sensor
<b>Principle:</b>	Four-probe Method
<b>Measuring range:</b>	0-200mS/cm
<b>Resolution:</b>	0.01mS/cm
<b>Accuracy:</b>	3% (±0.5mS/cm)
<b>Temperature range:</b>	0.0...60.0°C
<b>Temperature compensation:</b>	Automatic
<b>Signal Output:</b>	Rs485 (MODBUS-RTU), 4-20mA can be customized
<b>Power supply:</b>	9-24V DC
<b>Pressure range:</b>	0-6 bar
<b>Shell material:</b>	ABS/PTFE
<b>Thread:</b>	NPT3/4
<b>Cable length:</b>	5m or customization
<b>Protection grade:</b>	IP68

## CTD SENSOR

### CTD-206A

Conductivity + Temp + Pressure sensor

### INTRODUCTION

CTD sensor is a sensor used to measure ocean dynamic parameters of seawater. Including:

- ✓ TEMPERATURE
- ✓ CONDUCTIVITY
- ✓ PRESSURE

It has the advantages of small size, good performance, low power consumption, prevention of biological attachment, on-site cleaning, no need to repeat calibration etc.

The conductivity and depth can be customized, the maximum conductivity range can reach 200mS/cm.



### FEATURES

- 1 Output RS485 Modbus RTU;
- 2 Measurement parameters Conductivity, Temp and Depth;
- 3 Extremely low power consumption;
- 4 Expansion performance: more functions can be customized according to requirements: dissolved oxygen, turbidity, etc.

<b>Measuring range:</b>	0-200mS/cm (Customizable)	<b>Temperature compensation:</b>	Automatic
<b>Pressure Rating:</b>	0-200 meters (Customizable)	<b>Power supply:</b>	9-24V DC
<b>Size:</b>	35mm*280mm	<b>Signal Output:</b>	RS485 MODBUS RTU
<b>Wires:</b>	4 wire will be; 12V, A, B, Gnd	<b>Shell material:</b>	Stainless Steel+POM
<b>Resolution:</b>	1uS/cm	<b>Thread:</b>	NPT3/4
<b>power consumption:</b>	<3W	<b>Cable length:</b>	10 meters (Customizable)
<b>Temp measure range:</b>	0.0...60.0°C	<b>Protection grade:</b>	Ip68
<b>Accuracy:</b>	Conductivity: 2% or ±10uS/cm; Depth: 0.5% or ±5mm; Temp: ±0.5°C		

# LIQUID LEVEL SENSOR



**PL-100**  
Liquid Level Sensor

### Features:

The integrated liquid level sensor adopts high-precision and high-sensitivity pressure sensitive components, and converts the liquid level signal of the measured medium into standard analog signal or digital signal through the amplifier circuit with stable, reliable and strong anti-interference ability. Moreover, it has exquisite packaging technology and perfect detection process to ensure the excellent performance of the product. Widely used in petroleum, chemical, metallurgy, environmental protection, measurement, automation control engineering and production process testing and other industrial automation fields.

Reference temperature: 25 °C

Measure range (m)	0~100		
Pressure form	Gauge/ Absolute pressure		
Output signal	4~20mA/0~5V/RS485		
Nonlinear (%FS)	≤0.1	≤0.25	≤0.5
Hysteresis (%FS)	≤0.1	≤0.25	≤0.5
Repeatability (%FS)	≤0.1	≤0.25	≤0.5
Zero temperature drift (%FS/°C)	≤0.02		
Full temperature drift(%FS)	≤0.02		
Stability (%FS/ Year)	≤0.25		
Working voltage (V)	9~24V DC (Standard: 24V)		
Compensation temperature (°C)	0~60		
Ambient temperature (°C)	-20°C~+60°C		
Overload capacity (%)	300		
Life time	>9 million pressure cycles		
Response time(ms)	≤1		
Measuring medium	316L compatible media;		
Diaphragm material	316L stainless steel		
Shell material	304, 316, titanium, PTFE		
Degree of protection	IP68		
Weight	120g		

# PRESSURE SENSOR

**Applications** 4-20ma Water Air Pressure Sensor RS485 pressure transmitter transducer is standard and most popular transmitter applied in air and liquid pressure measuring. A high sensitivity silicon pressure chip is employed in the sensor. Through the high reliability of amplifying circuit and precise temperature compensation, and perfect assembly process to ensure the quality and performance of the product. This pressure transmitter is designed for industry application with perfect long term stability.

### Pressure Sensor



**DX-PT-2**  
Screw thread

**DX-PT-3**  
Clamp type

### Hydraulic pressure / Oil pressure / Pressure

#### FEATURES

- 1 **Compact size:** suit for various of industry application;
- 2 **316L stainless steel** housing, anti-corrosive;
- 3 American imported circuit board, **stable for 10 years**;
- 4 Germany imported **Flush Ceramic sensor**, durable and stable;
- 5 Independent R&D of anti-interference chip, anti-interference improvement.

Measurement Range:	-0.1~0	0~0.01	0~100MPa
Proof pressure:	≤1.5X rated pressure or 110MPa which ever is less		
Pressure type:	Gauge	Absolute	Sealed gauge
Accuracy:	±0.25% (Typical) ±0.5% (Max.)		
Stability:	±0.1%F.S/Year ( Typical )	±0.2%F.S/year ( Max.)	
Temperature Error- Zero:	±0.03%F.S/°C ( ≤100KPa)	±0.02%F.S/°C ( > 100KPa)	
Temperature Error -Span:	±0.03%F.S/°C ( ≤100KPa)	±0.02%F.S/°C ( > 100KPa)	
Operating Temperature Range:	-20°C~+80°C		
Power supply:	9 ~ 24V DC		
Output signal:	4~20mA	Rs485 modbus RTU	
Pressure port:	M20×1.5; G1/2; Clamp type; or customize		
Housing material:	Stainless steel		
Diaphragm material:	316L/ 304 SS		
O-ring:	Fluororubber		
Protection:	IP65		
Insulation resistance:	100MΩ 100VDC		

# PRESSURE TRANSMITTER



DX-PT-1

Pressure Transmitter

## Features:

### • Running well in harsh condition

Short-circuit conditions to protect prevent reverse connection; Instant voltage overload protection.

- Industrial process control;
- Biomedical;
- Eco saving;
- Energy and water treatment;
- Petroleum, chemical industry;
- Metallurgy;
- Hydrology, agriculture, food Industry.

Reference temperature: 25 °C

Measure range (MPa)	-0.1~250MPa	
Pressure form	Gauge pressure, absolute pressure	
Output signal	4~20mA/ 0~5V/ RS485	
Display Method	5-bit LCD or 4-bit LED display	
Accuracy (%FS)	0.1	0.25
Nonlinear (%FS)	≤0.1	≤0.25
Hysteresis (%FS)	≤0.1	≤0.25
Repeatability (%FS)	≤0.1	≤0.25
Zero temperature drift (%FS/°C)	≤0.02	
Full temperature drift(%FS)	≤0.02	
Stability (%FS/ Year)	≤0.25	
Damping	Adjustable	
Working voltage (V)	9~24V DC (Standard: 24V )	
Ambient temperature (°C)	-20°C~+60°C	
Overload capacity (%)	300	
Life time	>9 million pressure cycles	
Load resistance (Ω)	≤750	
Response time(ms)	≤1	
Measuring medium	Various media compatible with 316L	
Diaphragm material	316L or ceramic diaphragm	
Connector material	304, 316, titanium, PTFE	
Pressure interface	M20 * 1.5, G1/2, G1/4, 1/4NPT or customized	
Degree of protection	IP65	
Weight	280g	

# DOSING PUMP



GW-20-03-M

Electromagnetic diaphragm dosing pump

- ✓ Acid and alkali resistance
- ✓ Flow adjustable
- ✓ Accurate display
- ✓ External automatic control is acceptable

## Features:

- IP65 protection grade;
- Intuitive and eye-catching operation interface;
- Double ball check valve: double sealing effect;
- LED digital tube displays the current working frequency;
- Anti-corrosion plastic shell (ABS+polycarbonate);
- Corrosion-resistant diaphragm: full PTFE diaphragm, special process structure.

Model	Flow Rate (L/H)	Pressure (Bar)	Suction (m)	Max frequency (stroke/min)	Power (W)	Voltage	GW (Kg)
BK01-07-S	1	7	2	120	25	220V 50HZ	2.6
BK02-07-S	2	7	2	120	25	220V 50HZ	2.6
BK03-07-S	3	7	2	120	25	220V 50HZ	2.6
BK06-05-S	6	5	2	120	25	220V 50HZ	2.6
BK09-03-S	9	3	2	120	25	220V 50HZ	2.6
BK06-07-M	6	7	2	160	50	220V 50HZ	2.9
BK09-07-M	9	7	2	160	50	220V 50HZ	2.9
BK12-07-M	12	7	2	160	50	220V 50HZ	2.9
BK15-03-M	15	3	2	160	50	220V 50HZ	2.9
BK20-03-M	20	3	2	160	50	220V 50HZ	2.9



## PORTABLE WATER ANALYSIS



PH-9921

Portable pH Meter



EC-9921

Portable EC Meter



DO-9921

Portable DO Meter

<b>Model:</b>	PH-9921		
<b>Measuring range:</b>	pH: 0~14.00pH; mV: ±1600mV; Temperature: 0~60°C		
<b>Resolution/Precision:</b>	pH : 0.01pH; Temp : ±1°C	<b>Power source:</b>	1.5V battery ,4 Festival
<b>Working temp:</b>	0 ~ 40 °C	<b>Input impedance:</b>	> 10 <sup>12</sup> Ω
<b>Working humidity:</b>	< 85%	<b>Drift:</b>	≤ 0.01pH ± 1 words / 2 hours
<b>Size:</b>	180x80x30mm (LxWxH)	<b>weight:</b>	0.5kg
<b>Power:</b>	2W	<b>Temp compensation:</b>	0 ~ 60 °C
<b>Model:</b>	EC-9921		
<b>Measuring range:</b>	0.01µs/cm ~ 199.9µs/cm; 0.1µs/cm ~ 1999µs/cm; 1.00µs/cm ~ 19.99 ms/cm; 10.0µs/cm ~ 199.9 ms/cm;		
<b>Cell Constant:</b>	K-0.01; K-0.1; K-1.0; K-10.0		
<b>Resolution:</b>	0.1/1 µs/cm; 0.01/0.1ms/cm;	<b>Power source:</b>	1.5V battery /4 Festival
<b>Working temp:</b>	0 ~ 40 °C	<b>weight:</b>	0.5kg
<b>Working humidity:</b>	< 85%	<b>Temp compensation:</b>	10~50 °C
<b>Size:</b>	180x80x30mm (LxWxH)	<b>Power:</b>	2W
<b>Accuracy:</b>	± 1.0% FS		
<b>Model:</b>	DO-9921		
<b>Measuring range:</b>	DO: 0~20 mg/L; Temp: 0~40 °C	<b>Power source:</b>	1.5V battery ,4 Festival
<b>Basic error:</b>	DO: ± 0.3mg/L; Temp: ± 1 °C	<b>Residual current:</b>	≤ 0.15mg/L
<b>Response time:</b>	≤ 30s (90% 20°C)	<b>weight:</b>	1kg
<b>Size:</b>	180x80x30mm (LxWxH)	<b>Temp compensation:</b>	0 ~ 40 °C
<b>Sensor type:</b>	Fluorescence DO sensor	<b>Sensor output:</b>	Rs485 MODBUS RTU

## PORTABLE WATER ANALYSIS



DX-9921

Multi function Portable meter

### Features

- pH/ORP, Dissolved oxygen & Temperature;
- Handheld fashion housing with IP67 waterproof design;
- Auto temperature compensation;
- Fluorescence dissolved oxygen analyzer;
- 99 points memories with recall function;
- 1 hour auto power off .

### Describe

It's the device that measure the value of pH/ORP and DO (Dissolved Oxygen) in liquid, which had been widely used in Aquaculture, Aquaponics and Fish Farm.



Portable DO meter



Portable PH meter



Portable ORP meter

<b>Measuring range:</b>	pH: 0~14.00pH; mV: ±1999mV; Temperature: 0~60°C; DO: 0~20mg/l		
<b>Precision:</b>	pH : 0.01pH; Temp : ±0.1°C; DO: ± 0.3mg/L;		
<b>Working temp:</b>	0 ~ 40 °C	<b>Response:</b>	<1 min
<b>Power source:</b>	1.5V battery /4 Festival	<b>Refreshing time:</b>	<1 sec
<b>Size:</b>	180x80x30mm (LxWxH)		



## ELECTROMAGNETIC FLOW METER

**Applications** Widely used in metallurgy, chemical industry, electric power, municipal tap water, heating, sewage treatment, printing and dyeing, textile, food and beverage, agricultural irrigation, oil field, semiconductor, medicine, scientific research, testing, building heating and other industries.



DX-DN20

Electromagnetic flow meter

### Features

- Accurate and stable/ LCD display;
- Excellent immunity to negative pressure;
- 4~20mA output and RS485 communication;
- Anti-leak and Anti-separation;
- Electrode material: Stainless steel SUS316,Hastelloy C,Titanium,Tantalum Platinumiridium, Stainless steel covered with tungsten carbide;
- It is applicable not only to general process, but also in tough applications such as mining, papermaking, pastry, etc.

<b>Nominal Pressure:</b>	0.6~1.6MPa(2.5Mpa/4.0Mpa/6.4Mpa...42Mpa)
<b>Accuracy:</b>	±0.5%, ±0.3% or ±0.2% are selectable
<b>Liner material:</b>	PTFE, PFA, F46, Neoprene, Polyurethane
<b>Lining:</b>	Neoprene; PTFE; F46; PFA
<b>Electrode Type:</b>	General type ,scraper type and replaceable type
<b>Mediem temperature:</b>	Integrate type: -20°C~+60°C
	Remote type Neoprene & Polyurethane Liner: -10°C~+80°C
	Remote type PTFE Liner /PFA Liner /F46 Liner: -10°C~+160°C
<b>Ambient Temperature:</b>	-25°C ~ + 60°C
<b>Ambient Humidity:</b>	5~100%RH(relative humidity)
<b>Medium Electricalconductivity:</b>	≥5u s/cm
<b>Measuring Range 1500:</b>	Flow rate < 15m/s
<b>Structure type:</b>	Integral type,remote type,submersible type,ex-proof type
<b>Protection Class:</b>	Ip65, IP68(optional)

## LIQUID LEVEL METER

**Applications** Used for height measurement of various liquid and solid materials. It is widely used in water treatment, municipal administration, chemical industry, metallurgy, and machinery manufacturing industries.



DX-SL68-05

Ultrasonic Liquid level meter

### Features

- Using SMD technology to improve the reliability of the instrument;
- Automatic power adjustment, gain control, temperature compensation;
- Advanced detection technology, rich software functions to adapt to various complex environments;
- Adopt new-type waveform calculation technology to improve the measurement accuracy of the instrument;
- With the suppression function of interference echo, to ensure the accuracy of measurement data;
- 16-bit D/A conversion, improve the accuracy and resolution of current output;
- Relay output, 4-20mA current and RS-485 communication output.

<b>Range:</b>	5m, 10m, 15m, 20m,30m, 40m,50m, 60m
<b>Accuracy:</b>	0.5%-1%
<b>Resolution:</b>	3mm or 0.1%
<b>Display:</b>	LED display
<b>Analog output:</b>	2-wire 4-20mA / 250 ohms
	4-wire 4-20mA / 510 ohms
<b>Relay out:</b>	AC 250V / 5A or DC 30V / 5A
<b>Power supply:</b>	24V DC or 220V AC ± 15% 50Hz
<b>Communication:</b>	RS485 (standard), RS232
<b>Working Temperature:</b>	For transmitter -20°C~+60°C; For sensor: -20°C~+80°C
<b>IP level:</b>	Screen IP65, Sensor IP68
<b>Sensor cable:</b>	No
<b>Sensor installation:</b>	According to range and sensor
<b>Communication:</b>	RS485

## FOOD THERMOMETER



**DX-ST01**

Food thermometer

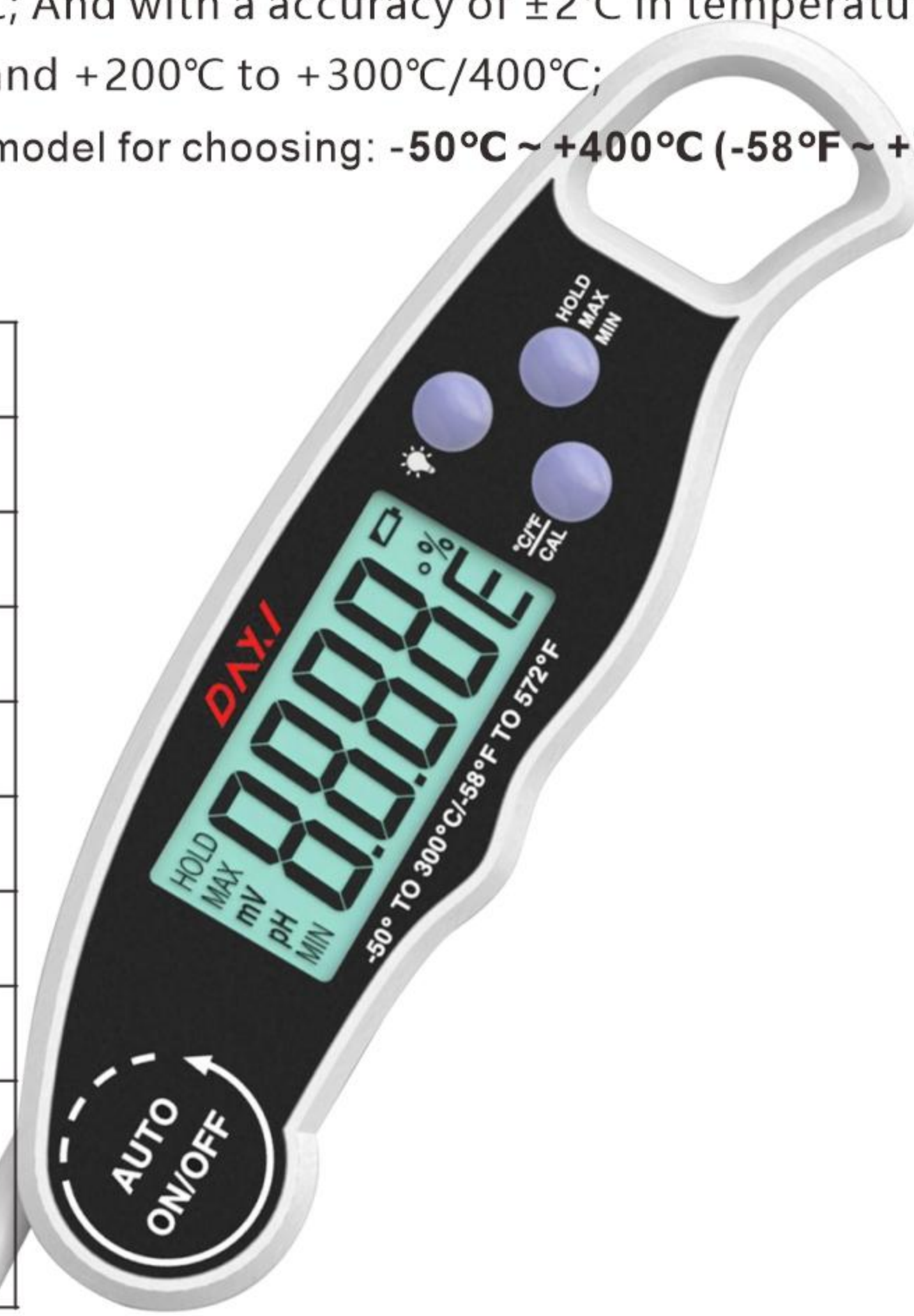
### Features

- Multiple Usage: fried, barbecue, baking, bath, milk;
- Food grade stainless steel probe can touch the food directly;
- Large LCD display: It can also be read clearly in the dark;
- Easy storage: with hanging hole and powerful magnets;
- Alarm function: high temp warning;
- Silicone button: comfortable use;
- Foldable design: reduce the occupation of space, easy to carry.

### Advantages

- **Accuracy** of our thermometer can reach  $\pm 1^{\circ}\text{C}$  in temperature of  $-20^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ ; And with a accuracy of  $\pm 2^{\circ}\text{C}$  in temperature of  $-50^{\circ}\text{C}$  to  $-20^{\circ}\text{C}$  and  $+200^{\circ}\text{C}$  to  $+300^{\circ}\text{C}/400^{\circ}\text{C}$ ;
- Wider range model for choosing:  $-50^{\circ}\text{C} \sim +400^{\circ}\text{C}$  ( $-58^{\circ}\text{F} \sim +752^{\circ}\text{F}$ ).

Material:	ABS Plastic
Temperature range:	$-50^{\circ}\text{C} \sim +300^{\circ}\text{C}$ ( $-58^{\circ}\text{F} \sim +572^{\circ}\text{F}$ ) $-50^{\circ}\text{C} \sim +400^{\circ}\text{C}$ ( $-58^{\circ}\text{F} \sim +752^{\circ}\text{F}$ )
Display:	LCD screen with back light
Battery:	Cr2032
Temp accuracy:	$\pm 1^{\circ}\text{C} / \pm 2^{\circ}\text{F}$
Waterproof grade:	Ip67
Response time:	3 to 4 seconds
Accuracy:	$\pm 1^{\circ}\text{C}$ to $2^{\circ}\text{F}$ at $-20^{\circ}\text{C} \sim +200^{\circ}\text{C}$ ( $-4^{\circ}\text{F} \sim +392^{\circ}\text{F}$ ); For other temperatures: $\pm 2^{\circ}\text{C}$



## WOOD MOISTURE METER



**CD-100/CD-200**

Wood moisture meter

<b>Measuring range:</b>	0.0 ~ 100.0
<b>Measurement Depth:</b>	0.79 ~ 1.57" (20 ~ 40mm)
<b>Display type:</b>	Backlight LCD
<b>Resolution:</b>	0.1%
<b>Accuracy:</b>	$\pm 2\%$ of full $\pm 5$ digits
<b>Low battery Warning Level:</b>	$< 2.6\text{VDC} / < 3.4\text{VDC}$
<b>Operating Temp:</b>	$0^{\circ}\text{C} \sim 45^{\circ}\text{C}$
<b>Operating Humidity:</b>	90% ( $\sim 30^{\circ}\text{C}$ ); 75% ( $30 \sim 45^{\circ}\text{C}$ )
<b>Power Supply:</b>	Two or four 1.5V 'AAA' batteries
<b>Auto Power Off:</b>	After 8 minutes of inactivity
<b>Dimensions:</b>	210mm x 48mm x 33mm / 235mm x 73mm x 30mm
<b>Weight:</b>	145g / 280g

### Features

- The Non-invasive moisture meter monitors the moisture in wood and other building materials without causing surface damage. Such as: wall board, sheet rock, cardboard, plaster, concrete, and mortar;
- Pinless penetration to 0.79" to 1.57" (20-40mm) below the surface;
- Audible Alert - Tone rate beeps faster as the moisture level increases;
- Icons display dry, risk and wet levels of moisture;
- Data hold and auto power off.

### Moisture Comparison Table (typical)

Material	Display	Status
Gypsum	<30	DRY
	30~60	RISK
	>60	WET
Cement	<25	DRY
	25~50	RISK
	>50	WET
Wood	<50	DRY
	50~80	RISK
	>80	WET

### Converting table

LCD	Gypsun %	Cement %	Wood %
15			
20			10.00
25			12.00
30	0.25		15.00
35	0.30	2.50	17.00
40	0.40	2.65	20.00
45	0.65	2.85	
50	1.00	3.20	
55	1.40	3.55	
60	1.70	4.00	
65	1.90	4.30	
70	2.05	4.70	
75	2.20	5.10	
80	2.35	5.45	
85	2.5	5.75	
90	2.65	6.10	

# PORTABLE THERMO-HYGROMETER

## Applications

Humidity Temperature meter, Quickly and conveniently take accurate humidity and temperature readings. It is an ideal humidity & temperature meter instrument with scores of practical applications for laboratorial, industrial, engineer and professional use.



DX-HT01

Portable Temperature and Humidity Meter

## Features

- Continuously monitor indoor and outdoor temperature and humidity changes, temperature °C / °F;
- High sensitivity, low power consumption and high precision sensor with sensitive response and accurate measurement; T: ±0.5°C, HUM: ±1.8%RH;
- MAX/MIN value test mode, fast lock the maximum and minimum value measurement;
- Dew point / wet bulb temperature measurement shall be applied to different scenarios;
- The LCD backlight screen is fearless of darkness and can easily read values;



High-Precision



Low power consumption



High sensitivity



Dew point Temperature

DX-HT01 Temperature and Humidity Meter	
Humidity Range:	0~100%RH
Temperature Range:	-30°C ~ +80 °C / -22°F ~ +176°F
Dew point Temperature:	0~80 °C / -32°F ~ +176°F
Humidity Accuracy:	±2.5% RH (at 25°C, 20%~80% RH); ±3% RH (at other ranges); ±1.5%RH (at 25°C, 20%RH~80%RH) can be choosed;
Resolution:	0.1%RH, 0.1°C/0.1°F
Response Time:	%RH:10S(90% at +25 °C still air)
Battery Type:	4*1.5V Batteries
wight:	280g
size(H*W*D):	235mm*73mm*30mm
Air Temperature Accuracy:	± 0.5 °C / ± 0.9°F (at 25 °C) 14 °F to 140 °F (-10 °C ~ +60 °C); <80%RH

# DIGITAL MANOMETER

## Introduction

Equipped with simple hose connections. It is applicable to the measurement and field calibration of ventilation and air conditioning system, and the troubleshooting of clean room or any gas pressure system. Simple operation and clear reading are indispensable test tools for HVAC technicians, operation and maintenance engineers and scientific researchers.



DX-DPG01

Digital Manometer

## Features

- Measures Gauge/Differential Pressure : -55H<sub>2</sub>O to +55H<sub>2</sub>O(2 psi);
- 11 selectable units of measure: in H<sub>2</sub>O, psi, bar, mbar, Kpa, InHg, mmHg, ozin2, FtH<sub>2</sub>O, kgH<sub>2</sub>O, kgcm;
- Max/min/average, and with a relative time;
- Zeroing, offset, and data copensation;
- Low battery display, auto shutdown;
- Data hold and error code.



High-Precision



Units Switch



Max/Min Value



Data Hold

Repeatability:	±0.25%FS	Reaction time:	0.5S
Battery:	4x1.5V AAA	Size/weight:	32mm*72mm*170mm/227g
Model:	<b>DX-DPG01A</b>	<b>DX-DPG01B</b>	<b>DX-DPG01C</b>
Rang:	±3.45KPa	±39.99KPa	±103.42KPa
Accuracy:	±1% FS; Max error 35Pa	±1% FS; Max error 400Pa	±1% FS; Max error 1.04KPa
Maximum pressure:	6.89KPa	79.9KPa	206.7KPa
UNIT	Range	Range	Range
Kpa	±3.45	±39.99	±103.42
bar	±0.034	±0.399	±1.034
mbar	±34.5	±399.9	±1034.2
mmHg	±25.9	±300.0	±775.7
inHg	±1.018	±11.809	±30.540
cmH2O	±35.2	±407.8	±1054.6
inH2O	±13.84	±160.55	±415.20
ftH2O	±1.153	±13.378	±34.600
Kgcm2	±0.035	±0.408	±1.055
ozin2	±8.00	±92.801	±240.00
psi	±0.500	±5.800	±15.000

## INDUSTRY THERMO-HYGROMETER



**DX-HT02**

Industrial Temperature and Humidity Meter

### Features

- Temperature and humidity controller uses dedicated microprocessor
- ABS shell and LCD large screen clearly display data.
- RS485 signal output can monitor temperature and humidity in real time for a long time on line.
- Built in probe, moisture-proof and dust-proof, small and generous, integrated installation, convenient operation.
- Compact, reliable performance, high precision measurement and control temperature and humidity, strong anti-jamming ability, controls are simple.
- Mainly used in industry, agriculture, medicine, chemical industry, warehouse, etc where temperature and humidity measurement and control are needed.



High precision sensor

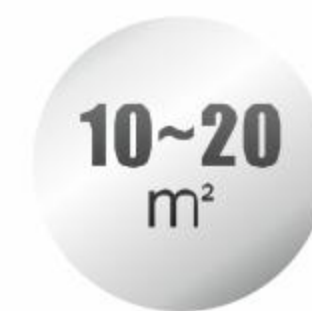


**RS485**

Rs485 output



Temp and Humidity



**10~20**  
m<sup>2</sup>

Working area

<b>Voltage</b>	<b>12V DC (Range: 6-15V DC)</b>	
Max Power	≤1.2W	
Accuracy	Humidity	≤±2%RH (60% 25°C)
	Temperature	≤±0.3°C (25°C)
Range	Humidity	<b>0-100% RH</b>
	Temperature	<b>-20°C~+70°C</b>
Working environment of transmitter circuit	Humidity	0%RH~80%RH
	Temperature	-20°C~+60°C
Working temperature of probe	Built in probe	-40°C~+100°C
	Epitaxial hardbound probe	
	Extended waterproof probe	
Working humidity of probe	0~100% RH	
<b>Effective working area</b>	10~20 m <sup>2</sup> /unit	
<b>Output Signal</b>	Rs485 output MODBUS-RTU (4-20mA can be customized)	
Installation method	Indoor wall installation or ceiling installation	
	Resolution	Temperature
	Humidity	0.1%RH (60% 25°C)
<b>Response time</b>	<b>1S</b>	
Long term stability	Temperature	≤0.1°C/y
	Humidity	≤1%RH/y

## ONLINE GAS DETECTOR

### Introduction

- Corrosion-resistant outer shell, securely fastened and durable, explosion-proof protection.
- Equipped with an infrared remote controller as standard, avoiding the need for opening in hazardous situations.
- Intrinsic safety circuit design, explosion-proof certification, and multiple software patents.
- Multiple data receiving methods: user computer, control alarm system, PLC, DCS, mobile phone, tablet, etc.
- On-site concentration display, capable of simultaneous detection with up to 6 sensors.
- Multiple internationally imported sensors with an extended lifespan.



**DX-200-W1**

Online Gas Detector



<b>Range/Resolution</b>	Refer to the sensor selection table for details		
<b>Gas types</b>	Flammable gas/toxic gas	<b>Thread</b>	M40x1.5mm
<b>Response time</b>	≤20s (T90)	<b>Accuracy</b>	≤±3%
<b>Recovery time</b>	≤20s	<b>Linearity error</b>	≤±1%
<b>Power supply</b>	24VDC (12~30VDC)	<b>Operating temperature</b>	-30°C~+50°C
<b>Zero drift</b>	≤±1% (F.S/year)	<b>Operating humidity</b>	≤95%RH, non-condensing
<b>Repeatability</b>	≤±1%	<b>Operating pressure</b>	-30Kpa~100Kpa
<b>Protection level</b>	Ip66	<b>Weight</b>	1.5kg (Net weight)
<b>Explosion-proof certification</b>	CNEx16.0547		
<b>Installation method</b>	Wall-mounted, pipeline, flow-through;		
<b>Principle</b>	Catalytic, electrochemical, infrared principles, etc.		
<b>Shell material</b>	Die-cast aluminum with sandblasted oxidation/fluorocarbon paint, explosion-proof and corrosion-resistant;		
<b>Detection method</b>	Diffusion type, flow-through type, pipeline type, pump suction type;		
<b>Receiving equipment</b>	User computer, control alarm system, PLC, DCS, etc.;		
<b>Signal output</b>	4-20mA, RS485, standard 2 relays, passive contact, capacity 220VAC 3A/24VDC 3A.		
<b>Alarm method</b>	On-site audio-visual alarm, external alarm system, remote controller alarm, computer data acquisition software alarm, optional SMS alarm;		
<b>Alarm settings</b>	Standard two-level alarm, gas sensors can be set for conventional high and low alarms, interval control (temperature and humidity can be set);		
<b>Transmission method</b>	<ul style="list-style-type: none"> <li>• 3-core, 4-core cable, long-distance cable transmission (1-2 kilometers);</li> <li>• GPRS transmission: real-time remote transmission, not limited by distance (optional);</li> <li>• Wireless transmission: supports 433MHz, wireless radio transmission mode, transmission distance of 2-10km, depending on different power.</li> </ul>		

## GAS SELECTION TABLE

Measured Gas	Measure Range
EX	0-100% LEL
Cl2	0-10ppm, 0-50ppm, 0-200ppm, 0-1000ppm, 0-5000ppm
O2	0-5000ppm, 0-30%VOL, 0-100%VOL
O3	0-1ppm, 0-5ppm, 0-50ppm, 0-100ppm, 0-200ppm, 0-1000ppm, 0-5000ppm, 0-30000ppm
N2	0-100%VOL
CH4	0-1000ppm, 0-5000ppm, 0-40000ppm, 0-10%VOL, 0-100%VOL
CO	0-100%LEL, 0-50000ppm, 0-100%VOL
CO2	0-500ppm, 0-1000ppm, 0-2000ppm, 0-40000ppm
NO	0-500ppm, 0-2000ppm, 0-5000ppm, 0-10000ppm, 0-50000ppm, 0-20%VOL, 0-50%VOL, 0-100% VOL
No2	0-1ppm, 0-100ppm, 0-250ppm, 0-1000ppm, 0-2000ppm, 0-5000ppm
NOX	0-1ppm, 0-20ppm, 0-2000ppm
So2	0-100ppm, 0-1000ppm, 0-5000ppm
H2S	0-1ppm, 0-20ppm, 0-100ppm, 0-1000ppm, 0-2000ppm, 0-10000ppm, 0-40000ppm
Ph3	0-10ppm, 0-50ppm, 0-100ppm, 0-200ppm, 0-1000ppm, 0-2000ppm, 0-5000ppm
NH3	0-100ppm, 0-200ppm, 0-1000ppm, 0-5000ppm
H2	0-5ppm, 0-20ppm, 0-1000ppm, 0-2000ppm, 0-4000ppm
CH2O	0-10ppm, 0-50ppm, 0-1000ppm
C3H3	0-30000ppm
C4H10	0-20000ppm-100%VOL
C5H12	0-20000ppm
C2H6	0-20000ppm
C6H14	0-10000ppm
C3H6	0-20000ppm
C2H3Cl	0-50ppm, 0-500ppm
C2HCl3	0-50ppm, 0-1000ppm, 0-6000ppm
C2HCl4	0-50ppm, 0-1000ppm, 0-6000ppm
C2H6O	0-100ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm, 0-50000ppm
CH4O	0-100ppm, 0-1000ppm, 0-5000ppm, 0-50000ppm, 0-100%LEL
Cs2	0-50ppm, 0-500ppm
C3H2N	0-50ppm
C5HN	0-100ppm, 0-1000ppm
CH2O2	0-50ppm, 0-500ppm
CH3HS	0-1ppm, 0-100ppm, 0-1000ppm
C4H10S	0-200ppm, 0-1000ppm, 0-5000ppm
H2O2	0-100ppm, 0-500ppm, 0-2000ppm
Br2	0-50ppm, 0-100ppm
Hbr	0-20ppm, 0-100ppm
CH3Br	0-1000ppm, 0-5000ppm, 0-25000ppm
VOC	0-50ppm, 0-1000ppm, 0-2000ppm, 0-6000ppm, 0-10000ppm

## COMPANY STYLE



# Application Scenarios

