



Water Quality Sensor Selection Guide · 77 Models

Water Monitoring · Drainage Control · Smart Water · Data Center Liquid Cooling

53

Water Quality Sensor Series

4

Data Center Liquid Cooling Series

20

Drainage Network Series

AIFE0 — Making Value Visible

V1.2 · August 2026 · All products support RS485 / 4-20mA output · Customization available

About AIFE0

AIFE0 specializes in water quality monitoring and drainage control. Our product line covers pH/ORP, conductivity, dissolved oxygen, residual chlorine, turbidity, ion and process-control sensors, dedicated sensors for data-center liquid-cooling water quality monitoring, and drainage network terminals for level, flow, outfall and water quality monitoring — 77 models in total.

All products support standard RS485 (Modbus-RTU) / 4-20mA signal output and are compatible with mainstream PLCs, DTUs, SCADA software and IoT platforms. They are widely used in municipal wastewater, tap water, aquaculture, industrial process water, data-center liquid cooling, zero-direct-discharge drainage networks and more.

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1. Quick Selection by Application

Start from your application scenario, then match the recommended parameter series. See Chapters 2–4 for the full product catalog.

Application	Recommended Parameters	Typical Uses
Wastewater treatment plants	pH/ORP + DO + residual chlorine + turbidity + sludge concentration	Aeration DO control; dosing pH adjustment; effluent chlorine/turbidity compliance
Tap water plants / water supply	pH + residual chlorine + turbidity + conductivity	Full-process water quality barrier; network endpoint residual monitoring
Aquaculture	DO + pH + ammonia nitrogen	Hypoxia early warning; online pH / ammonia monitoring
Industrial process / circulating water	Conductivity + pH + chlorine + ions	Cycles-of-concentration control; dosing interlock; corrosion early warning
Data center liquid cooling	pH + conductivity + copper ion + turbidity	Real-time coolant monitoring; corrosion / precipitation prevention
Drainage networks / zero direct discharge	Level + flow + pH + conductivity + ammonia + COD	Illegal discharge alerts (conductivity spikes); level/flow monitoring; online outfalls
Swimming pools / landscape water	Residual chlorine + pH + turbidity	Disinfectant residual control; water clarity monitoring
Rainwater / environmental monitoring	Rain gauge + buoy station + multi-parameter stations	District rainfall monitoring; river and lake buoy patrols

2. Water Quality Sensor Series (53 Models)

pH/ORP · Conductivity · Dissolved Oxygen · Residual Chlorine · Turbidity · Ions · Process Control · Monitoring Stations — all with RS485 / 4-20mA output.

2.1 pH/ORP

001 Smart pH Controller [AF-CTRL-01](#)

¥2,800
tax-incl. ref. / unit

Range pH 0~14 · Accuracy ± 0.02 pH · PT1000 temperature compensation · 4-20mA/RS485 output

Applications: WWTPs · industrial wastewater discharge · circulating water · aquaculture

Multi-parameter controller with dual-channel electrode input, automatic temperature compensation and historical curve storage; works with AF-PH series pH/ORP electrodes.

002 pH Sensor [AF-PH-01](#)

¥1,180
tax-incl. ref. / pc

ABS body · PT1000 · socket / flow-cell mounting · range 0-14 pH

Applications: Industrial wastewater · online outfall monitoring · process water

General-purpose industrial pH electrode with fouling-resistant flat tip; continuous online measurement with a flow cell.

003 pH Sensor (Submersible) [AF-PH-02](#)

¥1,280
tax-incl. ref. / pc

ABS body · PT1000 · submersible mounting · 5 m cable

Applications: Sewage tanks · oxidation ditches · sedimentation tanks

Submersible pH electrode for open tanks and channels; reliable protection and easy maintenance.

004 pH Sensor [AF-PH-03](#)

¥1,350
tax-incl. ref. / pc

Submersible or socket mounting · PT1000 temperature compensation

Applications: Wastewater treatment · river monitoring · industrial circulating water

High-accuracy pH electrode with strong anti-fouling performance for long-term online use in harsh water.

005 pH Sensor [AF-PH-04](#)

¥1,450
tax-incl. ref. / pc

PPS body · G thread · submersible or socket mounting

Applications: Industrial process control · chemical wastewater · electroplating

Chemically resistant PPS body; threaded installation fits various piping structures.

006 pH Sensor [AF-PH-05](#)

¥1,320
tax-incl. ref. / pc

Socket or flow-cell mounting · PT1000

Applications: Pure water systems · cooling water · RO permeate

pH electrode for low-conductivity water; fast response and low drift.

007 pH Sensor [AF-PH-06](#)

¥1,320
tax-incl. ref. / pc

Socket or flow-cell mounting · PT1000

Applications: Industrial water · circulating water · wastewater treatment

General-purpose pH electrode on the same platform as AF-PH-05 for routine online measurement.

008 ORP Sensor [AF-PH-07](#)**¥1,380**
tax-incl. ref. / pc

PPS body · socket or flow-cell mounting · PT1000

Applications: ORP monitoring · disinfection processes · pool water treatment

Platinum-ring ORP electrode for redox potential measurement and dosing interlock control.

009 Smart pH Electrode [AF-PH-08](#)**¥2,680**
tax-incl. ref. / pc

ABS · RS485 digital output · IP68

Applications: Smart water · online outfall monitoring · unattended stations

Digital smart pH electrode with built-in transmitter, direct RS485 output to PLC/DTU without a controller.

010 Smart pH Electrode (PPS) [AF-PH-09](#)**¥2,980**
tax-incl. ref. / pc

PPS · G3/4 thread · RS485 · IP68

Applications: Chemical wastewater · corrosive environments · online monitoring

PPS-body smart pH electrode; corrosion and pressure resistant with interference-free digital signal.

011 Smart ORP Sensor [AF-PH-10](#)**¥2,750**
tax-incl. ref. / pc

ABS · RS485 · IP68 · socket or flow-cell mounting

Applications: Disinfection processes · ORP monitoring · WWTPs

Smart ORP electrode with digital output; maintenance-free, plug and play.

2.2 Conductivity

012 Smart Conductivity Controller [AF-CTRL-02](#)**¥2,900**
tax-incl. ref. / unit

NTC10K temperature compensation · PC + stainless steel · 138×138 · RS485

Applications: Pure / ultrapure water · circulating water · boiler water · RO systems

Conductivity controller supporting multi-range electrodes and temperature compensation with RS485 networking.

013 EC Sensor [AF-EC-01](#)**¥980**
tax-incl. ref. / pc

Socket or flow-cell mounting · cell constant 1.0

Applications: Industrial water · cooling water · wastewater treatment

General-purpose conductivity electrode with graphite / platinum sheets; cost-effective.

014 EC Sensor [AF-EC-02](#)**¥1,080**
tax-incl. ref. / pc

Socket or flow-cell mounting · high-temperature type

Applications: High-temperature circulating water · boiler water · condensate

Temperature-resistant conductivity electrode for mid / high-temperature water.

015 EC Sensor [AF-EC-03](#)

¥1,120
tax-incl. ref. / pc

PPS · submersible or flow-cell mounting

Applications: Wastewater · rivers and lakes · outfalls

PPS-body conductivity electrode; corrosion-resistant for long-term immersion.

016 EC Sensor [AF-EC-04](#)

¥1,020
tax-incl. ref. / pc

ABS · submersible or socket mounting

Applications: General industrial water · irrigation · pools

General-purpose conductivity electrode with threaded connection for easy installation and maintenance.

017 EC Sensor [AF-EC-05](#)

¥1,060
tax-incl. ref. / pc

ABS · socket or flow-cell mounting

Applications: Industrial water · cooling water · wastewater treatment

Compact general-purpose electrode fitting standard flow cells.

018 EC Sensor [AF-EC-06](#)

¥1,150
tax-incl. ref. / pc

Socket or flow-cell mounting · high accuracy

Applications: Pure water · pharmaceutical water · electronics

High-accuracy conductivity electrode for low-conductivity pure water.

019 EC Sensor (4-Electrode) [AF-EC-07](#)

¥1,680
tax-incl. ref. / pc

Four-electrode structure · anti-fouling · high range

Applications: High-concentration wastewater · plating solutions · seawater

Four-electrode conductivity sensor; fouling-resistant and wide-range for harsh high-conductivity duty.

020 Smart EC Sensor [AF-EC-08](#)

¥2,480
tax-incl. ref. / pc

ABS · RS485 · IP68

Applications: Smart water · online monitoring · unattended sites

Smart digital conductivity sensor with direct RS485 output.

2.3 Dissolved Oxygen

021 Smart DO Controller [AF-CTRL-03](#)

¥4,200
tax-incl. ref. / unit

0-40 mg/L · fluorescence / polarographic dual mode · temperature compensation

Applications: Wastewater treatment · aquaculture · river monitoring

DO controller supporting optical and polarographic electrodes with aeration interlock control.

022 DO Sensor (H2010 Membrane) [AF-DO-01](#)

¥1,880

tax-incl. ref. / pc

ABS · socket or flow-cell mounting · polarographic

Applications: Biochemical tanks · aeration tanks · industrial wastewater

Polarographic DO electrode with H2010 oxygen membrane; long maintenance interval.

023 DO Sensor (H2020 Membrane) [AF-DO-02](#)

¥1,980

tax-incl. ref. / pc

Socket or flow-cell mounting

Applications: WWTPs · aquaculture · environmental monitoring

General-purpose DO electrode; fast response and good stability.

024 DO Sensor (H2030 Tempered) [AF-DO-03](#)

¥2,280

tax-incl. ref. / pc

Submersible or socket mounting · tempered membrane

Applications: Harsh duty · high-pollution water · aeration tanks

H2030 tempered membrane withstands abrasion and scouring in demanding duty.

025 DO Sensor (H2040 Aeration) [AF-DO-04](#)

¥2,580

tax-incl. ref. / pc

Submersible mounting · aeration-dedicated

Applications: Deep aeration tanks · oxidation ditches · SBR

Aeration-dedicated DO electrode with H2040 tempered membrane for high-velocity aeration.

026 DO Sensor (H2060 Tempered) [AF-DO-05](#)

¥2,480

tax-incl. ref. / pc

Socket or flow-cell mounting · tempered membrane

Applications: Biochemical tanks · aeration tanks · industrial wastewater

H2060 tempered membrane; the first choice for general industrial duty.

027 DO Sensor (H2080 High-Temp) [AF-DO-06](#)

¥3,280

tax-incl. ref. / pc

PG13.5 thread · socket mounting · high-temperature type

Applications: Hot process water · thermal power plants · fermenters

H2080 high-temperature membrane for duty above 80°C.

028 Smart DO Sensor [AF-DO-07](#)

¥3,680

tax-incl. ref. / pc

ABS · RS485 · IP68

Applications: Smart water · online monitoring · unattended sites

Fluorescence-based smart DO sensor; no membrane or electrolyte, low-maintenance digital output.

2.4 Residual Chlorine

029 Smart Residual Chlorine Controller [AF-CTRL-04](#)

¥4,500
tax-incl. ref. / unit

0-20 mg/L · free / total chlorine · dosing interlock

Applications: Tap water plants · pools · secondary supply · hospital wastewater

Chlorine controller with PID dosing interlock to secure disinfection and safe effluent.

030 Chlorine Sensor (Sensitive Membrane) [AF-CL-01](#)

¥2,180
tax-incl. ref. / pc

ABS · socket or flow-cell mounting

Applications: Tap water · pools · circulating water disinfection

Amperometric residual chlorine electrode with H320 membrane; easy maintenance.

031 Chlorine Sensor (Tempered Membrane) [AF-CL-02](#)

¥2,680
tax-incl. ref. / pc

Socket or flow-cell mounting · tempered membrane

Applications: Tap water plants · secondary supply · hospital wastewater

Tempered-membrane chlorine electrode; fouling-resistant and durable for long-term online use.

032 Chlorine Sensor (Tempered Membrane) [AF-CL-03](#)

¥2,880
tax-incl. ref. / pc

Socket or flow-cell mounting · tempered membrane

Applications: Tap water · network endpoints · pools

Tempered-membrane electrode for multi-point network and secondary-supply monitoring.

033 Smart Chlorine Electrode [AF-CL-04](#)

¥3,980
tax-incl. ref. / pc

RS485 · digital output

Applications: Smart water · unattended stations

Smart chlorine electrode with built-in transmitter; direct RS485, maintenance-free.

2.5 Turbidity

034 Smart Turbidity Controller [AF-CTRL-05](#)

¥3,600
tax-incl. ref. / unit

0-4000 NTU · scattered light method · automatic cleaning

Applications: Tap water plants · wastewater discharge · river monitoring

Turbidity controller with 90° scattered-light method, automatic cleaning and alarms.

035 Turbidity Sensor [AF-TU-01](#)

¥2,380
tax-incl. ref. / pc

Submersible · scattered light · continuous online

Applications: WWTP effluent · rivers · industrial water

Compact general-purpose turbidity sensor with flexible installation.

036 Turbidity Sensor (High Accuracy) [AF-TU-02](#)

¥2,980
tax-incl. ref. / pc

High accuracy · low-turbidity specialty

Applications: Tap water · finished water · purified water

High-accuracy low-turbidity sensor for strict drinking-water outlet control.

037 Smart Turbidity Sensor (Submersible) [AF-TU-03](#)

¥4,080
tax-incl. ref. / pc

Submersible · RS485 · IP68

Applications: Smart water · online monitoring · unattended sites

Submersible smart turbidity sensor with digital output for direct immersion.

038 Smart Turbidity Sensor (Flow-Through) [AF-TU-04](#)

¥4,280
tax-incl. ref. / pc

Flow-through · RS485 · IP68

Applications: Smart water · online monitoring · unattended sites

Flow-through smart turbidity sensor with built-in flow cell; easy maintenance.

2.6 Ion Sensors

039 Smart Silver Ion Sensor [AF-ION-01](#)

¥5,800
tax-incl. ref. / pc

Ion-selective electrode · RS485 · IP68

Applications: Electroplating wastewater · silver recovery · industrial water treatment

Smart silver-ion electrode with digital output and ppm-level accuracy.

040 Smart Bromide Ion Sensor [AF-ION-02](#)

¥5,600
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Bromine disinfection · circulating water · pools

Smart bromide electrode for bromine disinfection residual control.

041 Smart Calcium Ion Sensor [AF-ION-03](#)

¥5,900
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Boiler water · softened water · aquaculture

Smart calcium electrode monitoring the key indicator of water hardness.

042 Smart Copper Ion Sensor AF-ION-04**¥5,800**
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Electroplating wastewater · PCB industry · heavy-metal monitoring

Smart copper electrode for heavy-metal wastewater treatment monitoring.

043 Smart Fluoride Ion Sensor AF-ION-05**¥6,200**
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Fluorochemical wastewater · aluminum industry · drinking water

Smart fluoride electrode with high accuracy at low concentrations for fluoride-bearing wastewater.

044 Smart Cyanide Ion Sensor AF-ION-06**¥6,500**
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Electroplating wastewater · metallurgical wastewater · environmental emergency

Smart cyanide electrode for online early warning of highly toxic pollutants.

045 Smart Chloride Ion Sensor AF-ION-07**¥5,400**
tax-incl. ref. / pc

Ion-selective electrode · RS485

Applications: Desalination · municipal water · boiler water

Smart chloride electrode monitoring chloride concentration to prevent corrosion.

2.7 Process Control

046 Sludge Concentration Sensor AF-PC-01**¥4,800**
tax-incl. ref. / pc

Infrared scattering · 0-30 g/L · automatic cleaning

Applications: Sludge thickeners · dewatering rooms · secondary clarifiers

Online sludge concentration monitoring for stable sludge discharge processes.

047 Sludge Blanket Meter AF-PC-02**¥6,800**
tax-incl. ref. / set

Ultrasonic / optical · interface positioning · relay output

Applications: Clarifiers · thickeners · primary tanks

Sludge blanket monitoring with automatic blanket positioning and sludge valve interlock.

048 Corrosion Rate Monitor AF-PC-03**¥12,800**
tax-incl. ref. / set

Linear polarization resistance · multi-point · 4-20mA

Applications: Circulating water systems · pipeline corrosion · thermal systems

Online corrosion-rate monitoring; real-time corrosion risk assessment and under-deposit corrosion alerts.

049 Thermal Flow Switch [AF-PC-04](#)**¥1,650**
tax-incl. ref. / pc

Thermal dispersion · 0.01-3 m/s · adjustable alarm point

Applications: Pump protection · cooling no-flow alarm · empty-pipe detection

No moving parts; simple installation and maintenance with reliable no-flow alarm.

050 Temperature Switch [AF-PC-05](#)**¥880**
tax-incl. ref. / pc

Bimetal / RTD · adjustable range -20~200°C

Applications: Equipment overheat protection · pipeline temperature alarms

Industrial temperature switch with multiple ranges and field-adjustable setpoint.

051 Pressure Sensor [AF-PC-06](#)**¥1,380**
tax-incl. ref. / pc

Piezoresistive · 0-0.1~60 MPa · 4-20mA / RS485

Applications: Water supply networks · pump stations · hydraulic systems

All-stainless-steel industrial pressure transmitter with multiple ports and ranges.

052 Level Sensor [AF-PC-07](#)**¥1,580**
tax-incl. ref. / pc

Submersible static pressure · 0-5~100 m · 4-20mA

Applications: Tank levels · reservoirs · sewage tanks

Submersible level transmitter using static-pressure measurement with sealed cable.

2.8 Monitoring Station

053 Water Quality Monitoring Station (Turnkey) [AF-ST-01](#)**¥88,000**
tax-incl. ref. / set

Multi-parameter · automatic cleaning · 4G / RS485 · optional solar power

Applications: River sections · river outfalls · drinking-water sources · lakes and reservoirs

Integrated monitoring station with pH / conductivity / DO / turbidity / temperature; expandable with ammonia nitrogen and total phosphorus for surface water and outfall monitoring.

3. Data Center Liquid Cooling Series (4 Models)

Purpose-built for liquid cooling systems: real-time monitoring of pH, conductivity, copper ion and turbidity to prevent corrosion and precipitation.

054 Smart pH Sensor (Liquid Cooling) [AF-PH-11](#)**¥2,880**
tax-incl. ref. / pc

Stainless steel body · PTFE junction · RS485 + 4-20mA · IP68 · 0-6 bar

Applications: Data center liquid cooling · cooling-tower water · process water

Purpose-built for liquid cooling circuits: 0-6 bar stainless body, PTFE junction against corrosion, RS485 MODBUS-RTU direct to DCIM.

055 Smart Conductivity Sensor (K=0.01) [AF-EC-09](#)**¥2,680**
tax-incl. ref. / pc

K=0.01 cm⁻¹ · 0-20 μS/cm · ±2% FS · RS485 + 4-20mA · IP68

Applications: Data center liquid cooling · ultrapure water · RO permeate

Low-conductivity cell constant K=0.01 for coolants, ultrapure water and RO permeate; digital output without a controller.

056 Smart Turbidity Sensor (Liquid Cooling) [AF-TU-05](#)

¥3,980
tax-incl. ref. / pc

0-100 NTU · 90° scattered light · POM + 316 SS · submersible light-shielded · IP68

Applications: Data center liquid cooling · wastewater · surface water

Light-shielded submersible design; 0-100 NTU range (0-20 NTU optional) to monitor suspended particles in coolant.

057 Smart Copper Ion Sensor (All-Stainless) [AF-ION-08](#)

¥6,200
tax-incl. ref. / pc

0.064-6400 ppm · 316 SS · RS485 + 4-20mA · G3/4 thread · IP68

Applications: Data center liquid cooling · PCB industry · electroplating wastewater

All-stainless copper ISE with solid-state membrane; resists Hg⁺/Ag⁺/Br⁻/Cl⁻/Fe²⁺ interference for copper leaching monitoring in coolant.

4. Drainage Network Series (20 Models)

Level · Flow · Outfall · Water Quality · Auxiliary — five terminal categories for zero-direct-discharge surveys and illegal-discharge alerts.

058 Ultra-Low-Power Wireless Level Monitor [AF-DL-01](#)

¥6,800
tax-incl. ref. / set

Ultrasonic level · low power · wireless · IP68 · battery life 3+ years · Bluetooth config

Applications: Simple manholes · community drainage · storm/sewage diversion nodes

Battery-powered level terminal — no wiring works, install and go; ideal for simple manholes.

059 Wireless Level Monitor (Enhanced) [AF-DL-02](#)

¥8,800
tax-incl. ref. / set

Ultrasonic level · low power · wireless · IP68 · 3+ year battery · tilt-sensor attitude calibration

Applications: Complex manholes · municipal nodes · flood-prone points

Enhanced terminal with tilt sensor for real-time attitude calibration and abnormality alerts; for complex manholes and municipal sewers.

060 Wireless Level Monitor (Municipal) [AF-DL-03](#)

¥9,800
tax-incl. ref. / set

Ultrasonic level · low power · wireless · IP68 · large range · 3+ year battery

Applications: Municipal drains · trunk sewer level · outfall level

Municipal-type terminal with wide-range ultrasonic measurement for trunk sewer level monitoring.

061 Municipal Drainage Level Monitor [AF-DL-04](#)

¥7,800
tax-incl. ref. / set

Ultrasonic level · submersible · low power · wireless · IP68

Applications: Municipal drains · sewage networks · combined sewers

Purpose-built for municipal sewers; submersible installation with wireless transmission for network upgrading programs.

062 Road Flooding Monitor (with Camera) [AF-DL-05](#)**¥12,800**
tax-incl. ref. / set

Radar level + industrial camera · road mounting · low power · wireless · IP68

Applications: Urban flood-prone points · road ponding · underpasses

Integrates radar level and an industrial camera to measure ponding depth with photo evidence for urban flooding alerts.

063 Drainage Flow Monitor [AF-DF-01](#)**¥9,800**
tax-incl. ref. / set

Doppler velocity + level · low power · wireless · IP68 · 3+ year battery

Applications: Drainage flow · sewage networks · combined sewers

Doppler velocity sensing with level-based flow computation; for non-full pipes, low power and wireless.

064 Drainage Flow Monitor (Enhanced) [AF-DF-02](#)**¥12,800**
tax-incl. ref. / set

Doppler velocity + level · low power · wireless · IP68 · full range, no blind zone

Applications: Drainage flow · trunk sewer flow · inflow / infiltration analysis

Full-range measurement without blind zones for trunk sewers and inflow / infiltration analysis.

065 Doppler Flow Monitor [AF-DF-03](#)**¥8,800**
tax-incl. ref. / set

Doppler velocity + static-pressure level · low power · wireless · IP68

Applications: Drainage pipes · channel flow · ecological flow

Built-in static-pressure level sensor for flow monitoring in partial-full pipes and open channels.

066 Radar Doppler Flow Monitor [AF-DF-04](#)**¥14,800**
tax-incl. ref. / set

Radar Doppler velocity + level · non-contact · low power · wireless · IP68

Applications: Drainage networks · river flow · outfall flow

Non-contact radar measurement, maintenance-free, for drainage networks and river flow monitoring.

067 Non-Immersed Outfall Monitor [AF-DP-01](#)**¥7,800**
tax-incl. ref. / set

Conductivity + level · non-immersed mounting · low power · wireless · IP68

Applications: River outfalls · storm outfalls · illegal discharge alerts

Monitors outfall level and conductivity to classify discharge (clean / sewage) for illegal-discharge early warning.

068 Immersed Outfall Monitor [AF-DP-02](#)**¥8,800**
tax-incl. ref. / set

Conductivity + level · immersed mounting · low power · wireless · IP68

Applications: Immersed outfalls · full-pipe outfalls · drop shafts

For full-pipe or submerged outfalls: online flow and quality monitoring with illegal-discharge alerting and tracing.

069 Drainage pH Sensor [AF-DW-01](#)**¥3,800**
tax-incl. ref. / pc

0-14 pH · low power · wireless · IP68 · controller-free

Applications: Drainage networks · outfalls · rivers

Low-power wireless pH sensor connecting directly to cloud platforms; for online water quality monitoring in drainage networks.

070 Drainage Conductivity Sensor [AF-DW-02](#)**¥3,800**
tax-incl. ref. / pc

0-200 mS/cm · low power · wireless · IP68

Applications: Drainage networks · outfalls · illegal discharge alerts

The core indicator for illegal discharge: conductivity change distinguishes clean water from sewage.

071 Ammonia Nitrogen Sensor [AF-DW-03](#)**¥5,800**
tax-incl. ref. / pc

Ion-selective electrode · low power · wireless · IP68

Applications: Drainage networks · outfalls · zero direct discharge

Online ammonia nitrogen sensor for drainage networks and zero-direct-discharge surveys.

072 COD Sensor [AF-DW-04](#)**¥6,800**
tax-incl. ref. / pc

UV spectroscopy · low power · wireless · IP68

Applications: Drainage networks · outfalls · industrial illegal discharge

Reagent-free UV method for outfall COD monitoring and industrial illegal-discharge alerts.

073 Drainage Turbidity Sensor [AF-DW-05](#)**¥3,800**
tax-incl. ref. / pc

0-1000 NTU · scattered light · low power · wireless · IP68

Applications: Drainage networks · outfalls · rivers

Wide-range scattered-light sensor for network and outfall turbidity monitoring.

074 Low-Power Wireless Rainfall Station [AF-DA-01](#)**¥4,800**
tax-incl. ref. / set

Tipping-bucket rain gauge · low power · wireless · IP68

Applications: Drainage networks · flooding alerts · outfall monitoring

Pairs with level / flow data to correlate rainfall impact; a standard auxiliary for drainage monitoring.

075 Smart Water Quality Buoy [AF-DA-02](#)**¥38,000**
tax-incl. ref. / set

Multi-parameter · low power · wireless · solar + lithium battery · IP68

Applications: Rivers · lakes · reservoirs · outfalls

Multi-parameter buoy (pH / conductivity / DO / turbidity / ammonia) with solar + battery dual supply for surface water monitoring.

076 Smart Auto Sampler AF-DA-03	¥18,800 tax-incl. ref. / set
Automatic sampling · low power · wireless trigger · IP68	
Applications: Outfall evidence · illegal-discharge tracing · enforcement	
Cloud-triggered or exceedance-triggered automatic sampling, providing water-sample evidence for tracing and enforcement.	

077 Smart Industrial Camera AF-DA-04	¥6,800 tax-incl. ref. / set
Low power · wireless · IR night vision · IP68 · remote capture	
Applications: Outfall photos · ponding monitoring · evidence collection	
Supports remote and timed capture, working with monitoring terminals for exceedance photo evidence.	

5. Service Commitment

Warranty 12-month whole-unit warranty; 6 months for consumable electrodes; advance replacement for quality issues.	Technical Support Full guidance on selection, installation and commissioning; RS485 protocol and integration documents provided.
Custom Development Range, thread, cable length and output signal customization; fast sampling for small batches.	Delivery & After-sales Regular models shipped within 3 working days; lifetime maintenance; consumables at preferential prices.

Contact Us

Email	sales@aifeo.com
Website	www.aifeo.com
Business	Smart water projects · Sensor products
Commitment	Cost-effective solutions · Full-cycle technical support

AIFEOW — Making Value Visible

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