



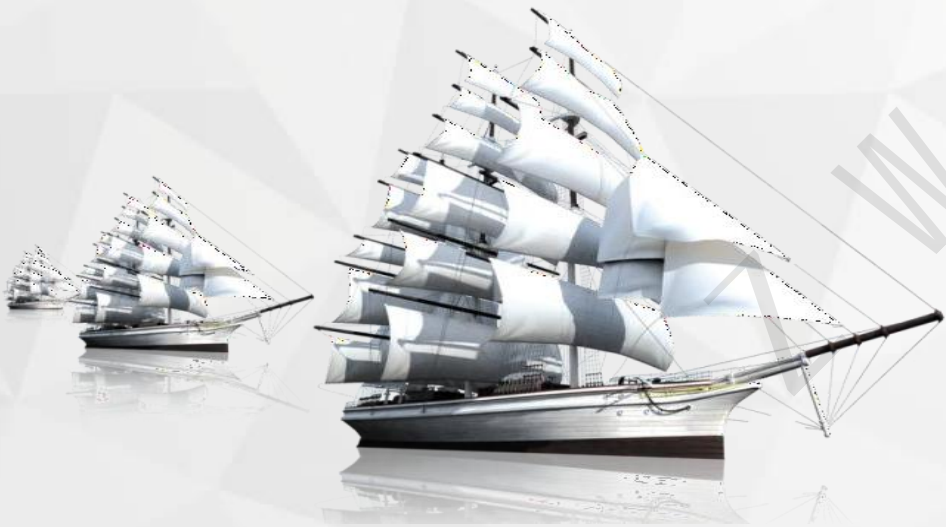
**Environmental Monitoring Instruments Manufacturer**

**2024**



**Tianjin Zwinsoft Technology Co.,Ltd.**

**ZWINSOFT**



## CONTENTS

01 ABOUT US

02 PRODUCTS

03 PRODUCTION

04 CASE STUDY



**Environmental Monitoring Instruments Manufacturer**

**PART 01**

**PART 01**



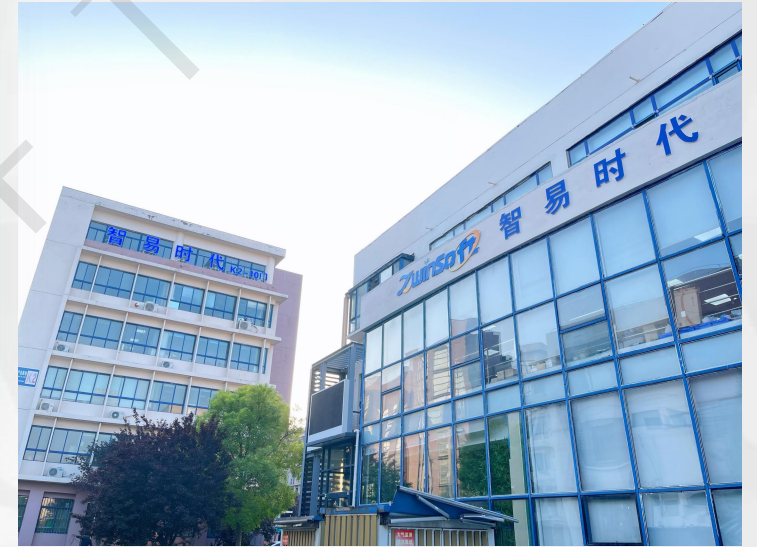
## **ABOUT US**

- Introduction
- Our Values
- Main Business
- Certification





# Introduction



Tianjin Zwinsoft Technology Co., Ltd. is a leading manufacturer of cutting-edge on-line environmental monitoring solutions. Since its establishment by Dr. Chen in 2013, Zwinsoft has been consistently committed to providing high-precision monitoring systems as well as environmental data processing and reporting solutions with extensive knowledge in the development of complete turnkey solutions.

Zwinsoft is a proven expert that will collaborate with you on your project to solve challenges within your exact specifications. Our products and technologies provide consistent and reliable performance, greater efficiency, cost reduction, manageability, and sustainability.



# Values

**Mission**

**Make The World A  
Greener Place**

**Values**

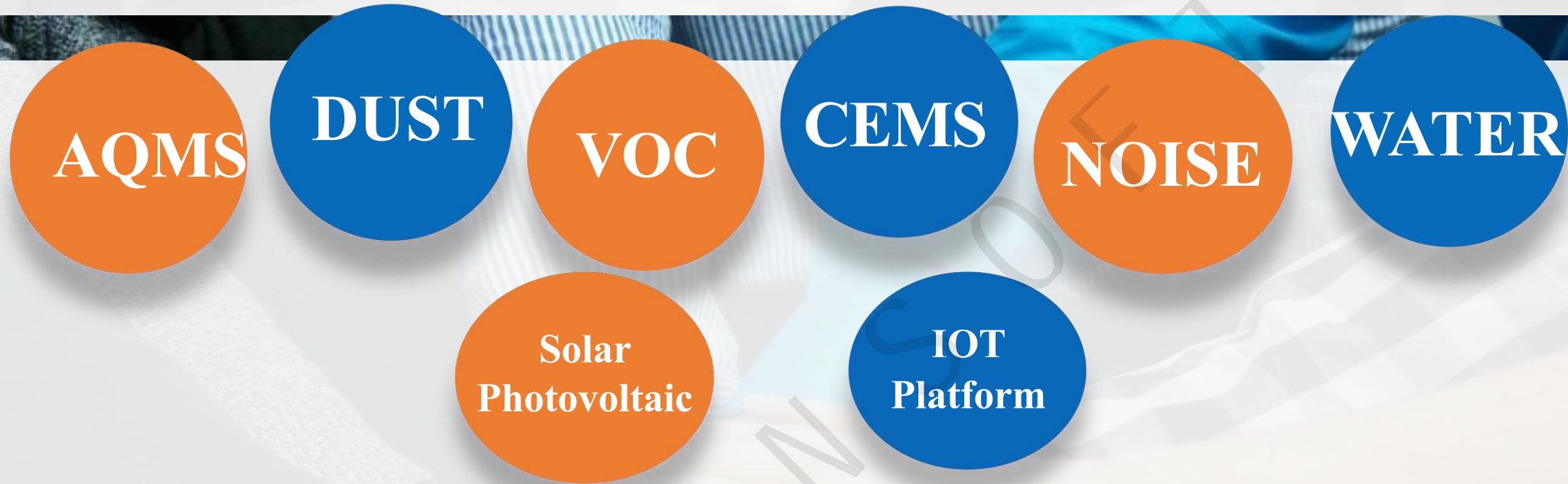
**Market Oriented,  
Customer Centred  
Customer Always Comes First**

**Vision**

**To Be The Leader Of  
Environmental Monitoring  
Industry**

**Purpose**

**Take a sustainable path  
Achieve a green future**



Based on the atmospheric grid-based accurate decision-making support management system, Zwinsoft is equipped with online monitoring equipment for AQMS, Dust, VOC(Volatile Organic Compound), Continuous Emission, Noise and Water, also the energy storage of solar photovoltaic forming a 1+N area of "One Platform, Multiple Applications" refinement monitoring network system.

The company has a large-scale production base, equipped with professional workshops of assembly, inspection, aging calibration, and standardized laboratories. In strict accordance with the requirements of ISO9001 series, and five-star after-sales service certification requirements.





# Certification-Company







## Certification-Company



CE Certificate

CCEP (China Certificates for Environmental Products)

CPA(China Pattern Approval))

ISO9001 Quality Management System Certificate

ISO14001 Environmental Management System Certificate

ISO45001 Occupational Health Safety Management System Certificate

ISO27001 Authentication Certificate of Information Security Management System

National High-Tech Enterprise Certificate

Nankai University-ZWINSOFT Optical Sensing Technology R&D Center

CMMI Certificate

Tianjin Young Eagle Enterprise Certificate

3A Enterprise Credit Rating Certificate

5-Star After-Sales Service Certificate

Tianjin Science and Technology Enterprise Certificate

Software Enterprise Certificate

Tianjin Munisiple High-Tech

Enterprise Certificate

# Certification — Products



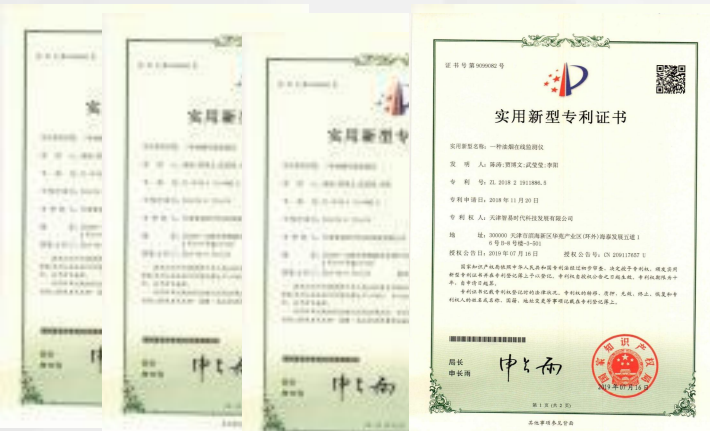
**Environmental Product Certificate**

**20+ CCEP  
CPA Certificate  
Test Report**



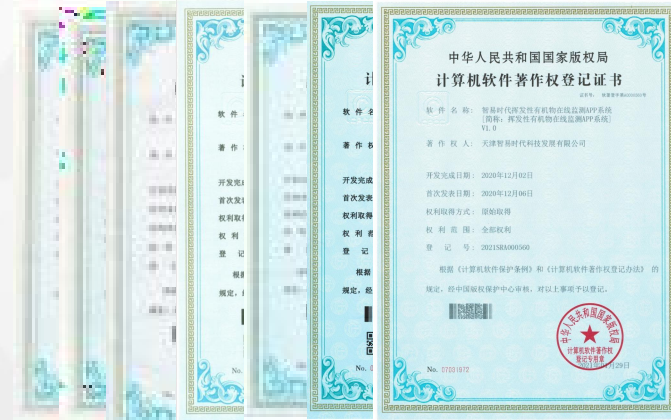
**Software Product Certificate**

**30+ Environmental Protection Software**



**Patents**

**20+ Patents**



**Software Copyright Certificate**

**100+ Software Copyright**



## China Certification for Environmental Products(CCEP)



The predecessor of the CCEP is the identification for environmental products implemented by the Ministry of Environmental Protection of the People's Republic of China, from 1996. It has experienced 3 stages.

Environmental product certification achieved completely change from the administrative confirmation to the third party resources , and original mandatory identification changed into Resource Certification.

Product authentication mode also gradually improve to the present 3 steps: environmental protection product form, factory inspection and supervision, inspection of goods. More details can refer to the website of the State Environmental Protection Administration ([www.sepa.gov.cn](http://www.sepa.gov.cn)) or the website of the China Environmental Protection Association <http://www.caepi.org.cn/>

The company that obtains the CCEP's certificate can use the logo of CCEP on the certified product in the period of validity of certificate



China Pattern  
Approval Logo

## China Pattern Approval (CPA)

The responsible certification authority is the Chinese market regulation authority SAMR (State Administration for Market Regulation).

Manufacturing and sale of these products in China is also only possible with a valid CPA certificate.





# Certification—Team

Professional Team,  
High quality service

Technical team,  
Sales team,

Production team,

Quality inspection team,

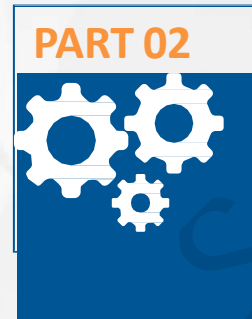
After sales team.



Professional operation and maintenance team: All operation and maintenance personnel have passed professional assessment, have qualification certificates, have profound theoretical knowledge and rich operation and maintenance experience, and can fully satisfy the requirements of customers.



Leading Environmental Monitoring Solution Provider



# Product Introduction

- AQMS Monitor
- VOC Monitor
- Noise Monitor
- ELINK-IoT Platform
- Dust Monitor
- CEMS Monitor
- Water Monitor
- Customized Products





Pump sampling

Pump sampling

## ZWIN-AQMS06 Ambient Air Quality Monitor

Principle: laser scattering method (PM), electrochemical method (gas)

Parameters: PM2.5, PM10, SO2, NO2, O3, CO, TVOC, meteorological data

Range: 0-1mg/m<sup>3</sup>, 0-500ppb, 0-20ppm

Qualification: CCEP, CPA, test report      Transmission: 4G/Wired/LOAR

Function: Dehumidification, split injection, remote upgrade,  
temperature compensation, cross-interference

Applicable: Outdoor air quality monitoring in industrial parks, road traffic,  
residential areas, commercial areas, etc.



## ZWIN-AQMS06-M Portable Ambient Air Quality Monitor

1. The epoxy resin shell and leakage protection isolation design have strong anti-interference ability;
2. PM2.5, PM10, TSP, CO, SO2, NO2, O3 meteorological five parameters and other parameters, can be customized, with high detection accuracy and good repeatability;
3. Touch type 7-inch LED full color screen;
4. Low power consumption design with bluetooth printer;
5. 8G storage space, data can be exported in excel.





## Applications

### ZWIN-AQMS08-F Drone Online Air Quality Monitor

- 1.Dimension : 95mm\*98mm\*143mm;Weight<300g;
- 2.ABS material of the enclosure,resistant to falling, and coated with an anti magnetic layer inside;
- 3.With the front end extending 30mm in the form of an air nozzle, an exhaust fan at the rear, the flow rate is 3L/min;
- 4.Multiple USB Type-C interfaces are used for expansion;
- 5.Up to 10 LED lights for status display.
- 6.SD card data export function.

river drainage outlets inspection



Forest fire prevention



Aerial mapping



Water quality grid monitoring and water quality sampling



Atmospheric grid monitoring and sampling



Straw burning



Emergency command



# Air Quality Monitoring Series



**ZWIN-AQMS10**  
**Louvered Air Quality Monitor**

An integrated system to monitor:  
**NO<sub>2</sub>, CO, CO<sub>2</sub>, O<sub>3</sub>, SO<sub>2</sub>, PM<sub>2.5</sub> and PM<sub>10</sub>.**

**Meteorological factors:** humidity, temperature, air pressure.

**Customized function:** wind direction, wind speed, light, rainfall (piezoelectric type, optical type, tipping bucket type)

It is able to upload all monitoring data to cloud platform with wireless transmission.



**ZWIN-WS1008**  
**Integrated micro weather station**

**Principle: Ultrasonic transit time method (24V)**

**Wind speed**

Measurement range: 0~60m/s

Measurement accuracy: 0.1 m/s

Start wind speed: 0m/s

**Wind direction**

Measurement range: 0-360°

Measurement accuracy: 3°

**Customized function:**

humidity, temperature, air pressure, light, rainfall (piezoelectric type, optical type, tipping bucket type)

## ZWIN-CAAQMS20 Air Quality Monitoring Station



## ZWIN-AQMS30 Automatic Environmental Monitoring Station

A modularized integrated multi-parameter outdoor cabinet-mounted small ambient air quality monitoring station. The complete system consists of SO<sub>2</sub>, NO<sub>x</sub>, CO, O<sub>3</sub> analyzers, PM<sub>10</sub>/PM<sub>2.5</sub> automatic analyzers, dynamic calibrators, zero air generator, etc.



**PM<sub>10</sub> analyzer** ( $\beta$ -ray method)  
**PM<sub>2.5</sub> analyzer** ( $\beta$ -ray method)  
**SO<sub>2</sub> analyzer** (ultraviolet fluorescence method)  
**NO<sub>x</sub>** (chemical spectroscopy)  
**O<sub>3</sub> analyzer** (ultraviolet absorption method)  
**CO analyzer** (Related infrared absorption method)  
and other auxiliary system.

Real-time monitoring, as well as monitoring of **wind speed, wind direction, temperature, relative humidity, atmospheric pressure, etc.**







Mainly composed of infrared sensors (light source, gas absorption pool, detector), data acquisition unit, signal Interface board, control circuit power supply and other parts.



Adopts non-dispersive infrared spectrum technology combines with advanced microprocessor technology I provides accurate and reliable detection of CO at ppm level to meet the requirement of ambient gas monitoring.



It provides accurate and reliable detection of NOx at ppb~ppm level which meets the requirements of ambient gas monitoring and online monitoring of pollution source with dilution method.



Measures ambient O3 concentration in ppb level by utilizing UV photometric absorption technology. Multi-tasking software allows viewing test variables while operating.



It provides accurate and reliable detection of SO2 at ppb~ppm level which meets the requirements of ambient gas monitoring and online monitoring of pollution source with dilution method.



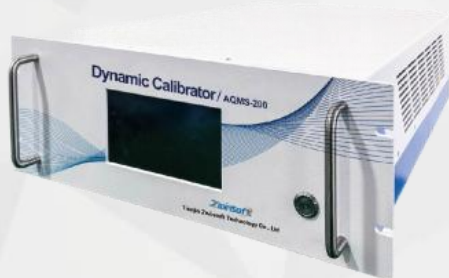
**Zero air generator** is mainly used for zero-point calibration. Automatically performs zero, precision, span, and multi-point calibrations using NO, NO<sub>2</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, hydrocarbons, and other gases of interest.



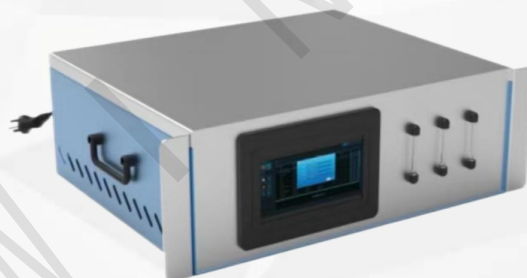
**H<sub>2</sub>S analyzer** adopts the catalytic oxidation method and UV fluorescence is based on molecular emission spectroscopy. It has the characteristics of high measurement accuracy, good reliability, fast response time, easy operation, and a wide application range.



**NH<sub>3</sub> analyzer** adopts catalytic oxidation and chemiluminescence basic principle. The catalytic oxidation method is the measurement of the conversion of NH<sub>3</sub> molecules into NO molecules by a specific catalyst under high temperature conditions.



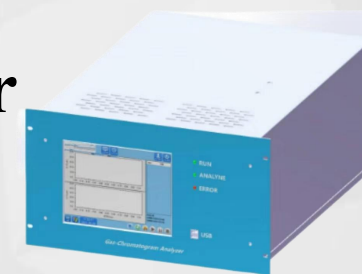
**Multi-Gas calibrator** is a high-precision gas analyzer calibrator for atmospheric online monitoring and industrial control on-site online analysis. It is a precision gas calibration instrument based on microprocessor control and is mainly used in ambient air.



**CH<sub>4</sub> analyzer** is based on QCLAS technology, with built-in air pump and filtering device, and achieve continuous online measurement of multiple gas components through extended laser. The detection gas includes CH<sub>4</sub>, and can also support other gas measurement.



**VOC analyzer**



## ZWIN-AQMS10-A Ambient Air Quality Automatic Monitoring Vehicle



The product had high sensitivity, high precision, real time monitoring system, it can real time display monitoring data on the vehicle carrying electronic map and superpose monitoring video on site by vehicle carrying map and GPS real time location system, provide big data and decision for environment monitoring.

Based on the diversified product portfolio on different mobile platforms, various analyzers, portable monitors, GPS positioning, operation consoles, management software, etc. are integrated on mobile vehicles to carry out mobile monitoring work, and are used in environmental surveys and sensitive areas. Monitoring, monitoring of pollutant diffusion effects, and routine inspections by environmental inspectors are carried out.



# Dust Monitor—Laser Scattering Method

Principle: Laser Scattering Method

Parameters: PM2.5/PM10/TSP, Weather, Noise

Range: 0-10mg/m<sup>3</sup>

Transmission: 4G/Wired/LoRa

Function: linkage fog cannon, remote upgrade

Qualification: CCEP, CPA, test report

Applicable: construction site dust, regional dust, ambient air, etc.



**ZWIN-YC06 Online Dust Monitor**



**ZWIN-YCM06  
Portable Air Quality Monitor**

highly accurate ,small in size ,light weight,easy to use and adaptable for long-time outdoor operation

Particular sensor size channel:PM2.5 PM10

Detection range:0~1000ug/m3

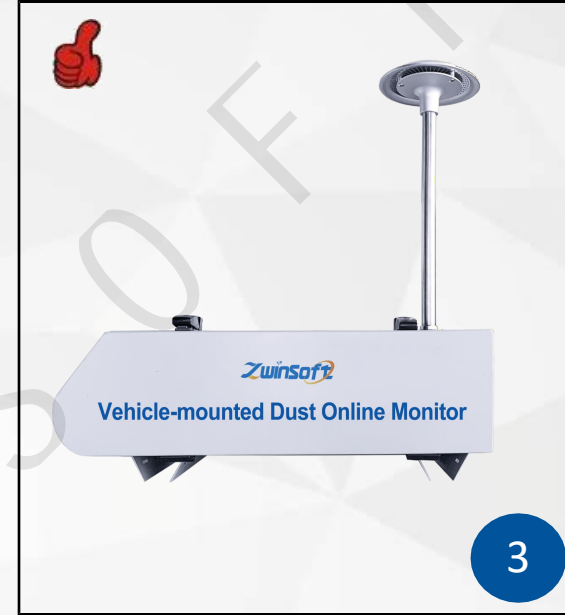
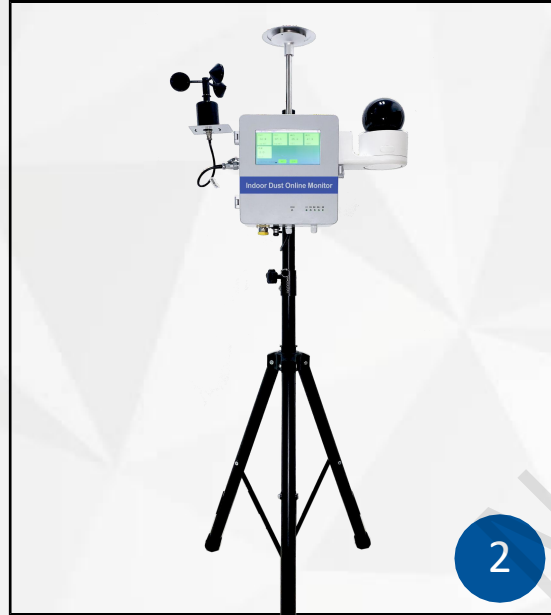
Ambient noise sensor detectionrange:20-130dB

Wind speed and wind direction sensor

temperature range:-40~120°C accuracy: ±0.3°C

humidity range: 0~100%RH accuracy: ±2%HR

# Dust Monitor—Laser Scattering Method (Customized Products)



- 1 ZWIN-YC08 Dust Monitor(Explosion-proof)
- 2 Indoor Dust Monitor
- 3 Vehicle-mounted Dust Monitor
- 4 Dust Monitoring Vehicle
- 5 ZWIN-PMV06 Particle Concentration Image Visual Detector



## BAM1006

### Continuous Particulate Monitor

Particle : PM2.5/PM10/TSP

Range: 1-10mg/m<sup>3</sup>

Function: with inside air conditioner ,Standard quality control equipment, stable and accurate

## BAM1006

### Continuous Particulate Monitor

Particle : PM2.5/PM10/TSP

Range: 1-10mg/m<sup>3</sup>

Function: highly integrated , remote unmanned operation, uninterrupted operation

## BAM1006-M (portable)

### Continuous Particulate Monitor

Particle : PM2.5/PM10/TSP

Range: 1-10mg/m<sup>3</sup>

Function: equipped with bluetooth thermal printer, real-time printing of monitoring data

## BAM1006-D (double channel)

### Continuous Particulate Monitor

Particle : PM2.5 and PM10

Range: 1-10mg/m<sup>3</sup>

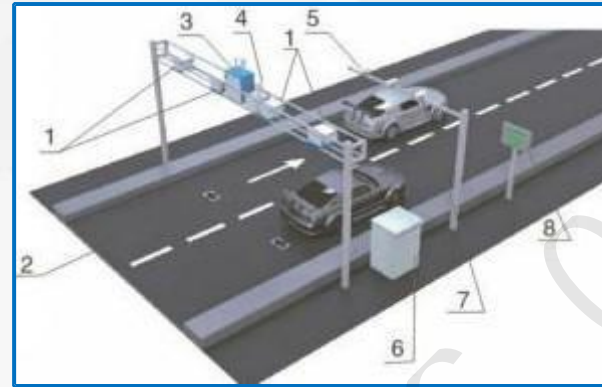
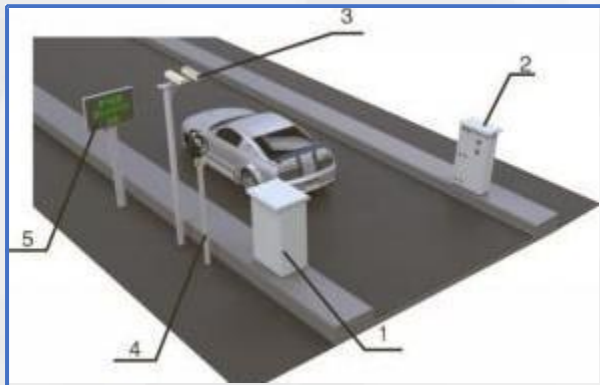
Function: measures two particle size parameters at the same time, and output and display at the same time



# Vehicle exhaust gas monitoring system - telemetry system

## Horizontal stationary vehicle exhaust gas telemetry equipment

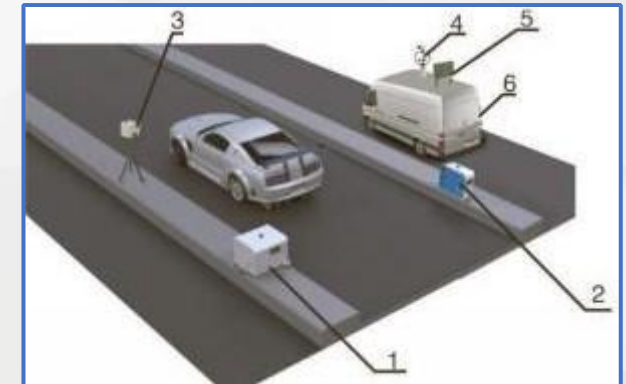
1. Telemetry host transmit-receive system
2. Telemetry host reflection system
3. HD Speedometer
4. Atmospheric environment parameter monitoring system
5. Monitoring result display



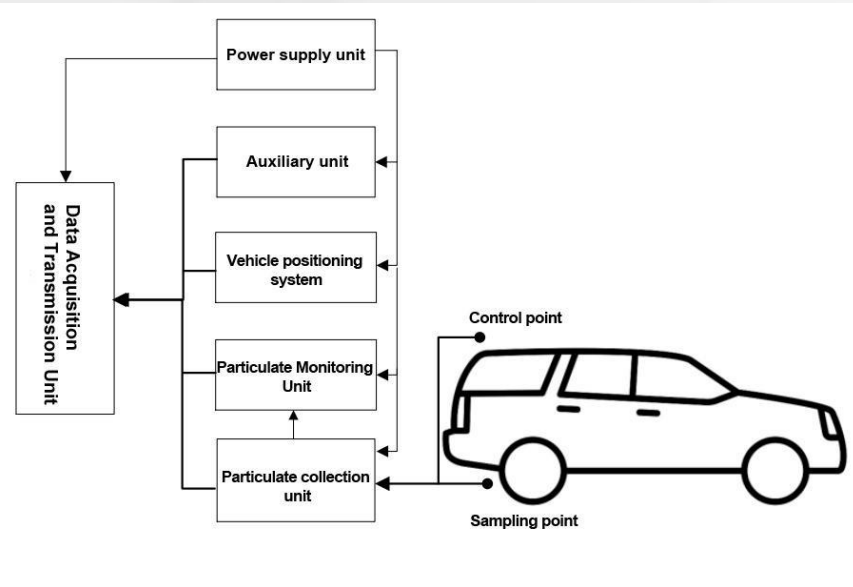
## Vertical stationary vehicle exhaust gas telemetry equipment

1. Telemetry host transmitter-receiver system
2. Telemetry host reflection system
3. Miniature ambient air monitoring system
4. Atmospheric environment parameter monitoring system
5. License plate automatic recognition and camera system
6. Telemetry host control cabinet
7. Velocity/Acceleration Measurement System
8. Monitoring result display

1. Telemetry host transmitter-receiver system
2. Telemetry host reflection system
3. HD Speedometer
4. Atmospheric environment parameter monitoring system
5. Monitoring result display
6. Vehicle-mounted mobile exhaust gas telemetry work vehicle

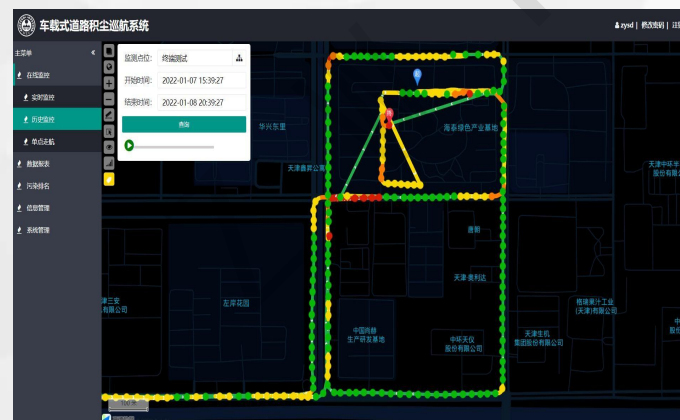


## Mobile vehicle exhaust gas telemetry equipment

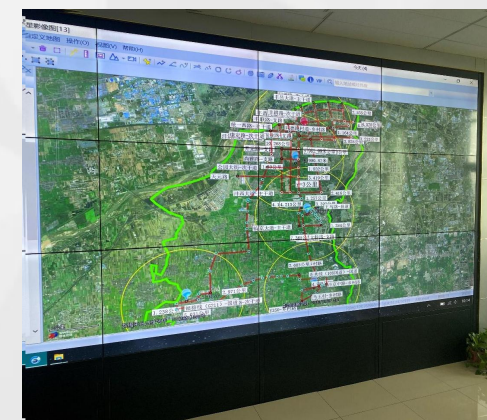


**Model: ZWIN-CFH08**  
**Parameter: PM2.5, PM10, meteorological parameters, vehicle positioning**  
**Range: 0-10000ug/m<sup>3</sup>**  
**Principle: laser scattering method, GPS positioning**  
**System composition: particulate matter, weather monitoring, video monitoring, vehicle positioning, data acquisition and transmission, equipment calibration and auxiliary systems**  
**Vehicle: M1 type driving qualification, the running speed is controlled at 20-70km/h, monitoring road should be kept dry.**

The system determines the road dust accumulation through fixed-point analysis, and obtains the content of urban roads that need to be improved, so as to carry out effective governance.



序号	时间	颗粒物浓度	颗粒物质量	颗粒物重量	颗粒物重量	颗粒物重量	颗粒物重量	颗粒物重量	颗粒物重量
1	2022-01-07 18:11:08	0	0	0.169	0.137	0	正常		
2	2022-01-07 18:11:07	0	0	0.169	0.137	0	正常		
3	2022-01-07 18:11:06	0	0	0.169	0.137	0	正常		
4	2022-01-07 18:09:10	0.251192	1.519152	314	194	18.8	正常		
5	2022-01-07 18:09:09	0.259522	1.557132	318	195	18.8	正常		
6	2022-01-07 18:09:08	0.265851	1.595106	322	196	18.8	正常		
7	2022-01-07 18:09:07	0.272181	1.633080	326	197	18.8	正常		
8	2022-01-07 18:09:06	0.278511	1.671066	331	199	18.8	正常		
9	2022-01-07 18:09:05	0.284841	1.709046	336	201	18.8	正常		
10	2022-01-07 18:09:04	0.291171	1.747026	343	203	18.8	正常		
11	2022-01-07 18:09:03	0.297501	1.785006	351	206	18.8	正常		
12	2022-01-07 18:09:02	0.303831	1.822986	360	209	18.8	正常		
13	2022-01-07 18:09:01	0.310161	1.860966	369	209	18.8	正常		
14	2022-01-07 18:09:00	0.316491	1.898946	378	210	18.8	正常		
15	2022-01-07 18:08:59	0.322821	1.936926	386	211	18.8	正常		
16	2022-01-07 18:08:58	0.329151	1.974906	394	212	18.8	正常		



# VOCs Monitoring Series—PID Method



Monitoring factors: VOCs, temp, humidity  
Range: 0-50ppm  
Function: pump suction sampling, configuration of pretreatment system (filtering, drying, flow control)  
Certification: CCEP certification, test report



Factor: Volatile Substances  
Accuracy: ppb level  
Function: Built-in sampling pump, adjustable high and low gears, high-speed gear sampling distance greater than 10m, used for data comparison, etc.

ZWIN-PVOC06 VOCs Detector

ZWIN-PVOC06 Fixed Source VOCs Monitor

ZWIN-PVOC06 (Explosion Proof) VOC Monitor

ZWIN-GasMan06 Portable VOCs Monitor

Monitoring factors: VOCs, five meteorological parameters  
Range: 0-20ppm  
Function: monitoring of volatile organic compounds at the factory boundary, sound and light alarm  
Certification: CCEP certification, test report



Factor: VOCs (NH<sub>3</sub>, H<sub>2</sub>S can be increased)  
Measuring range: 0-20ppm  
Explosion-proof grade: Exd II BT6 Gb)  
Applicable environment: harsh environment  
Certification: explosion-proof certificate





## ZWIN-FVOCs06

### Pollution Source VOCs Online Monitoring System

The fixed source volatile organic compound monitoring system is suitable for the monitoring of toxic and harmful organic gas emissions from processes in complex environments such as industrial areas or chemical areas.

Method Principle: Gas Chromatography

System composition: sampling and pretreatment system, non-methane total hydrocarbon monitoring unit, flue gas emission parameter monitoring subsystem, data acquisition and transmission, processing subsystem, gas source auxiliary device, etc.

Monitoring factors: benzene, toluene, xylene, non-methane total hydrocarbons, temperature and pressure, flow humidity and oxygen content

Range: 0~100/1000/10000ppm (optional)



## ZWIN-GC-MS06

### Ambient Air Non-methane Total Hydrocarbon Monitoring System

The online monitoring system of total non-methane hydrocarbons in ambient air is mainly used for real-time online monitoring of total non-methane hydrocarbons in plant/boundary air and air stations. The online gas chromatographic analyzer adopts international advanced technology and can measure many parameters such as VOCs.

Principle: GC-FID detection technology

System composition: sampling preprocessing system, calibration system, chromatographic analysis system and data transmission system

Monitoring factors: total hydrocarbons, methane, non-methane total hydrocarbons, five meteorological parameters

Range: 0-20/200/2000mg/m<sup>3</sup>

Detector: Hydrogen flame ionization detector (FID)



## ZWIN-FVOCs06

# Volatile Organic Compounds Continuous Monitoring System



The detection principle is a hydrogen flame ion detector (GC-FID), and the detection objects include **THC, CH<sub>4</sub>, NMHC, BETX, and VOC** characteristic factors

Consists of :

- 1.an on-line gas chromatograph
- 2.flue gas sampling probe subsystem
- 3.pretreatments subsystem
- 4.gas supply subsystem
- 5.data acquisition and processing subsystem
- 6.temperature pressure flow subsystem

Advantage: A simple structure, wide dynamic range, strong real-time performance, flexible networking, and low operation cost. At the same time, the system adopts a modular structure and convenient combination.

# Continuous Emission Monitoring Systems

Measurement principle: particulate matter subsystem (laser backscattering), gaseous pollutant subsystem (DOAS), flue gas parameter measurement system

Ultra-low emission: ultra-low dust (0-20mg/m<sup>3</sup>)

Sampling method: extraction sampling, heat tracing, with purging function and calibration

Function Applicable: electric power, boiler, metallurgy, steel industry; (desulfurization and denitrification process, waste incineration, biomass power generation, etc.)

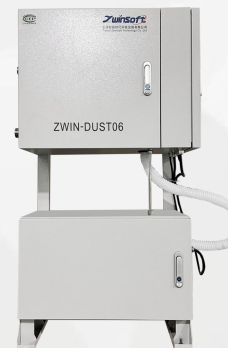


Dust

SO<sub>2</sub>

NO<sub>x</sub>

Temperature, Pressure,  
Flow, Humidity, Oxygen







Particulate Matter Monitor for CEMS  
Measuring Method: Beta Attenuation Method  
Measuring Range: 0 ~ 100mg/m<sup>3</sup>, ..., 10mg/m<sup>3</sup>

# Continuous Emission Monitoring Systems



Particulate Matter Monitor for CEMS

Measuring Method: Backward Laserscattering Method

Measuring Range: 0 ~ 1000mg/m<sup>3</sup>, ..., 200mg/m<sup>3</sup>

Portable Gas monitor for CEMS

Up to 9 gases

Built-in pump gas sampling



# Continuous Emission Monitoring Systems



ZWIN-CEMS06-M3 Portable Emission Gas Monitor is a debugging and quality inspection instrument for burners and industrial boilers. By adopting the principle of constant potential, the device size is greatly reduced, making it convenient for operators to operate it by hand. The built-in power supply meets 8-hour independent operation.

Up to 3 parameters can be carried

ZWIN-CEMS06-M7 Portable Emission Gas Monitor is a tool for real-time monitoring of centralized gas pollutant emissions/regulating combustion furnaces to achieve higher efficiency. By adopting the principles of constant potential and non dispersed infrared analysis, the equipment volume is greatly reduced, making it convenient for operators to operate it handheld. The built-in power supply can meet 8-hour independent operation.

Up to 7 parameters can be carried







# Noise Monitor

(Detector + Sound Level Meter)

**Model: ZWIN-NS06**

Parameters: environmental noise

Range: 30dB (A) ~ 130dB (A)

Output interface: RS232/485

Frequency : 20Hz~12.5kHz

Weighting: A, C, Z weighting

**Sound level meter: Level 1 / Level 2 /**

**Multi-function (Customizable options)**

**Functions:** outdoor measurement (with integration, statistics and 24h measuring function), 1/1 octave and 1/3 octave, with 8G card, with outdoor self-calibration device.



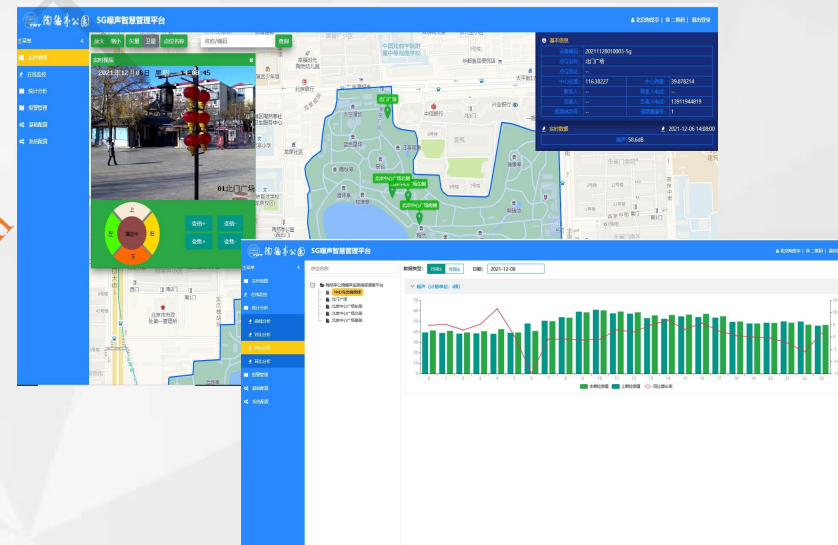
**Model: ZWIN-NS06**

Technical Data

Online Platform

Mobile APP

Function



- Adopts integrated design, which can realize rapid debugging and deployment, adopts wireless Transmission method, breaks through geographical restrictions, and has strong adaptability
- With high measurement accuracy and strong anti-interference ability

- View the current equipment status anytime and anywhere, and can perform remote debugging and maintenance
- Adopt lightning protection, rainproof, moistureproof, input signal isolation and other measures to ensure equipment safety, stable and reliable performance
- Ultra-low power consumption, the core equipment uses 3G/4G/5G low-power measurement and control terminals, which greatly reduces equipment costs and construction difficulties

# Water Quality Monitoring Systems



Conventional parameters: five parameters of water quality (temperature, pH, dissolved oxygen, conductivity, turbidity), COD<sub>Cr</sub>, ammonia nitrogen, total phosphorus, total nitrogen, total organic carbon, chlorophyll, etc.;

Measurement principle: photometric method

Application: water source monitoring, environmental protection monitoring station, municipal water treatment process, circulating cooling water, industrial water recycling, industrial aquaculture, etc.

**COD<sub>Cr</sub> Analysis**

**Ammonia nitrogen analysis**

**Total Phosphorus and Total Nitrogen Analysis**

**Five parameters of water quality**



Water Quality Controller



Water Quality Station



# Water Quality Monitoring Systems



COD Sensor:

Short range: COD: 500mg/L, BOD: 250mg/L(TOC: 250mg/L),

TSS: 500mg/L(turbidity: 500NTU), water temperature: 50°C

Long range: COD: 3000mg/L, BOD: 1500mg/L(TOC: 1500mg/L),

TSS: 3000mg/L(turbidity: 3000NTU), water temperature: 50°C



PH Sensor:

Range: 0-14pH



TDS Sensor:

Range: 0-200,000mg/L



Conductivity Sensor:

Range: 0-20,000 $\mu$ S/cm



NH4 Sensor:

Range: 0~1000mg/L



Dissolved Oxygen Sensor:

Range: 0~1000mg/L

# Gas Detector Series



**ZWIN-GasGuard06  
Fixed Gas Detector**

Monitoring factors: combustible and toxic gas  
Range: 0-100/1000/5000ppm,(optional)  
Function: gas leakage detection Certification: IP65, explosion proof certificate



**ZWIN-Gasman06  
Portable Single Gas Detector**

Factor:single gas(combustible&toxic gas)  
Measuring range: optional  
Function: diffusion sampling  
Applicable environment: harsh environment



**ZWIN-Gasman08  
Portable Multi-gas Detector**

Monitoring factors:combustible&toxic gas  
Range: optional  
Function: pump suction sampling, configuration of pretreatment system ,1-6gas

# Dust Detector Series



**ZWIN-Dustman06**  
Portable Dust Detector

Factor: PM0.3, PM0.5, PM1.0, PM2.5,  
PM5.0, PM10.0  
Type: Pump suction sampling



**ZWIN-Dustman08**  
Portable dust&gas Detector

Factor: PM0.3, PM0.5, PM1.0, PM2.5,  
PM5.0, PM10.0, and other 4 gases  
Type: Pump suction sampling



## Gases and measure ranges

Gas	Range	Other available	Resolution
CO	0-1000ppm	0-100ppm,0-500ppm,0-2000ppm,0-5000ppm,0-10000ppm	0.1ppm,1ppm
H <sub>2</sub> S	0-100ppm	0-10ppm,0-50ppm,0-500ppm,0-1000ppm,0-10000ppm	0.01,0.1,1ppm
O <sub>2</sub>	0-30%VOL	0-5%VOL,0-25%VOL,0-50%VOL,0-100%	0.01%VOL
EX/CH <sub>4</sub>	0-100%LEL	0-100%VOL	1%LEL,0.01%VOL
N <sub>2</sub>	0-100%VOL		0.01%VOL
NH <sub>3</sub>	0-100ppm	0-50ppm,0-500ppm,0-1000ppm,0-5000ppm	0.01,0.1,1ppm
CL <sub>2</sub>	0-10ppm	0-20ppm,0-50ppm,0-100ppm,0-200ppm,0-500ppm	0.01,0.1ppm
H <sub>2</sub>	0-1000ppm	0-100%LEL,0-2000ppm,0-10000ppm,0-40000ppm,0-4%VOL	1%LEL,1ppm
CH <sub>2</sub> O	0-10ppm	0-50ppm,0-100ppm,0-500ppm,0-1000ppm 0-1ppm,0-10ppm,0-20ppm	0.01, 0.1, 1ppm

# Gas Detector Series

CO2	0-5000ppm	0-2000ppm, 0-10000ppm, 0-20000ppm 0-50000ppm, 0-5%VOL,0-10%VOL,0-50%VOL,0-100%VOL	1%LEL,1ppm
NO	0-100ppm	0-20ppm,0-50ppm,0-500ppm,0-1000ppm,0-4000ppm	0.01, 0.1, 1ppm
NO2	0-20ppm	0-50ppm,0-100ppm,0-500ppm,0-1000ppm,0-4000ppm	0.01,0.1,1ppm
NOX	0-20ppm	0-50ppm,0-100ppm,0-500ppm,0-1000ppm,0-4000ppm	0.01, 0.1, 1ppm
SO2	0-10ppm	0-20ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-2000ppm	0.01,0.1,1ppm
ETO	0-10ppm	0-20ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm	0.01, 0.1, 1ppm
PH3	0-10ppm	0-20ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm	0.01,0.1,1ppm
HCL	0-10ppm	0-20ppm,0-50ppm,0-100ppm	0.01ppm
HCN	0-10ppm	0-20ppm,0-50ppm,0-100ppm	0.01ppm
COCL2	0-1ppm		0.01ppm
CLO2	0-10ppm	0-20ppm,0-50ppm,0-100ppm	0.01ppm
SiH4	0-10ppm	0-50ppm	0.01ppm
F2	0-10ppm	0-1ppm	0.01ppm
HF	0-10ppm		0.01ppm

# Gas Detector Series

HBr	0-10ppm	0-50ppm, 0-100ppm	0.01ppm
H2O2	0-100ppm	0-500ppm,0-1000ppm, 0-2000ppm	0.01, 0.1, 1ppm
B2H6	0-5ppm	0-10ppm	0.01ppm
AsH3	0-1ppm	0-10ppm,0-50ppm	0.01ppm
GeH4	0-1ppm		0.01ppm
N2H4	0-1ppm		0.01ppm
THT	0-100ppm	0-50mg/m3,0-100mg/m3	0.01ppm,0.01mg/m3
Br2	0-5ppm	0-10ppm,0-50ppm	0.01ppm
C2H2	0-100ppm	0-2.3%VOL	0.01ppm,0.01%VOL
C2H4	0-10ppm	0-50ppm,0-100ppm,0-500ppm,0-1000ppm,2.4%VOL	0.01,0.1,1ppm,0.01%VOL
CH3OH	0-100ppm	0-50ppm,0-500ppm,0-1000ppm	0.01,0.1,1ppm
C2H5OH	0-100ppm	0-50ppm,0-500ppm,0-1000ppm	0.01,0.1,1ppm
CH4S	0-100ppm		0.01ppm
C8H8	0-10ppm	0-5ppm, 0-100ppm, 0-1000ppm,0-5000ppm,0-10000ppm	0.01,0.1,1ppm



# Gas Detector Series

C4H6	0-10ppm	0-5ppm, 0-100ppm, 0-1000ppm,0-5000ppm,0-10000ppm	0.01, 0.1, 1ppm
VOC/TVOC	0-10ppm	0-1ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm,0-10000ppm	0.001,0.01,0.1,1ppm
CH3Br	0-10ppm	0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm,0-10000ppm	0.001,0.01,0.1,1ppm
C6H6	0-10ppm	0-1ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm,0-10000ppm	0.001,0.01,0.1,1ppm
C7H8	0-10ppm	0-1ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm,0-10000ppm	0.001,0.01,0.1,1ppm
C8H10	0-10ppm	0-1ppm,0-50ppm,0-100ppm,0-500ppm,0-1000ppm, 0-5000ppm,0-10000ppm	0.001,0.01,0.1,1ppm



**ZWIN-NRA06**  
**Portable Personal Dose Alarm**

Measurement types: X, gamma and hard beta rays  
Detector type: GM Geiger tube (energy compensated)  
X-ray exposure detection time: <1 millisecond  
Measuring range (dose rate): 0.01 $\mu$ Sv/h~ 2.00mSv/h  
Cumulative dose: 0.001 $\mu$ Sv-999.999Sv  
Accuracy (measurement error): < $\pm$ 5%  
Minimum sensitivity response: 0.029 $\mu$ Sv/h



**ZWIN-NRD06**  
**Multifunctional nuclear radiation detector**

Measurement types:  $\alpha$ ,  $\beta$ ,  $\gamma$  and X-rays  
Measurement method: real-time, average, maximum value, cumulative amount  
Detector type: imported quinine quenching detector, window effective diameter 45mm (1.75in) ; with energy compensation  
Radiation dose rate (protection): 0.001 $\mu$ sv/h-10mSv/h, that is, 0.01 $\mu$ sv/h-10,000 $\mu$ sv/h  
Radiation dose rate ( environmental ) : 1 nGy/h-1000  $\mu$  Gy/h  
Dose rate range: 0.001  $\mu$ Sv /h- 10.0mSv/h

# Catering oil fume series - oil fume monitor

## ZWIN-YY06 Oil Fume Monitor

YY06

Principle: laser scattering + MOS

Monitoring factors: soot, PM, non-methane total hydrocarbons, temperature and humidity, purifier fan operating conditions

Range: 0-10/20mg/m<sup>3</sup> 0-30ppm

Application: small catering enterprises



Warning/Exceeding Standard

## ZWIN-YY08 Oil Fume Monitor

YY08

Principle: laser scattering + MOS

Monitoring factors: soot, particulate matter, non-methane total hydrocarbons, temperature and humidity, purifier fan operating conditions (extendable voltage monitoring)

Range: 0-10/20mg/m<sup>3</sup> 0-30ppm

Application: Supervision of catering enterprises

Qualification : CCEP certification, test report



## ZWIN-YYM06 Portable Fume Detector

Principle: laser scattering

Monitoring parameters: soot, PM, non-methane total hydrocarbon concentration; temperature and humidity, dynamic and static pressure, flow rate

Measuring range: 0-10mg/m<sup>3</sup>

YYM06



Application: comparison monitoring, law enforcement monitoring, sampling, comparison

Features: Bluetooth thermal portable printing, instant value output, on-site comparison

Qualification certification: authoritative institutions issue test reports



# Soil Monitor

## Soil EC Sensor

Soil conductivity measurement range:  
0-20mS  
Minimum resolution: 0.01mS  
Accuracy: 5%  
Output signal: RS485 output  
Working environment: -10°C~60°C  
Humidity: ≤95%RH  
Response time: <1min(about 10min data stable)  
Probe size: 120\*18.8mm(effective measurement part)  
Sealing material: ABS engineering plastic  
Standard cable length: 2.5 meters

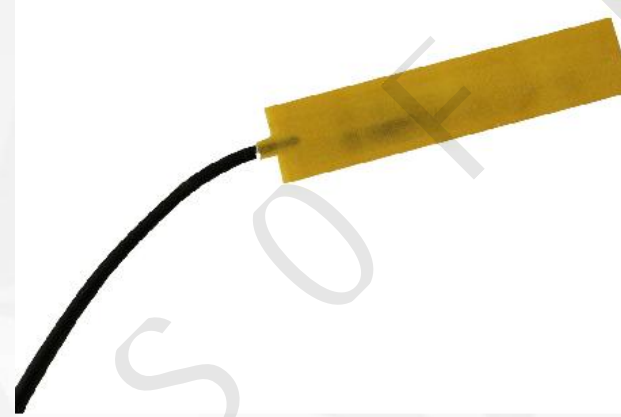
Electricity	DC12-24V
Probe elements	PH
Range	0~14PH
Resolution	0.01
accuracy	<±0.2PH (@25°C)
Stability	During the life of the sensor<1%
Reaction time	lower 10secs(in water)
Digital output	RS485 Modbus RTU
working temperature	0~60°C;

## Soil pH Sensor



Specification	Range	Resolution	Accuracy
Temperature	-20-80°C	0.1°C	±0.5°C
Soil volumetric moisture content	0-100% VOL	0.1%	±3% (0-45%), ±5% (>45%)

## Soil Heat Flux Sensor



Working temperature: -40°C~+55°C  
Sensitivity: 15-60w/(m2\*mv)  
Range: ±100w/m2  
Signal range: ±5mv  
Accuracy: ±5%(reading)  
Sensor: thermopile

## Soil temperature and humidity Sensor



# Photovoltaic power generation system

## Wind power:

The starting wind speed is low, and the wind energy utilization rate is high; Small size, beautiful appearance, light operation vibration  
The wind turbine blades are precision injection molded by a new process, with optimized aerodynamic shape design and structural design, which has a high wind energy utilization coefficient and increases the annual power generation



## Solar Power Generation:

The solar panels generate electricity, and the controller controls the energy storage and connects the electrical loads  
The output is disconnected after an overload, and the work can be resumed after a load reduction restart  
Modular structure, easy to assemble and install  
The power supply time can be set, or the power supply can be used throughout the day  
The maximum output power can reach 480W

## XG3-10KW Single Phase On-Grid Solar Inverter



**Efficient  
Higher revenue**

- 2 MPP Trackers , Max. input current per string: 20A
- 150% DC Input Oversizing
- Compatible with high power modules



**Intelligent  
Simple O&M**

- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- Intelligent Fault Detection: ac-side voltage and current waveforms real-time recorded, fast fault location
- Support RS485/WiFi/4G: remote monitoring and operation via PC or mobile phones



**Reliable  
Worry free**

- IP66 Protection Degree: support outdoor installation
- DC & AC Type II SPD: prevent lightning damage
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

10kw-136kw different specifications

Operating Temperature Range: -30°C~+60° C

Cooling Method: nature

Max Operating Altitude: 4000m

Relative Humidity: 0~100%

Night Power Consumption: <1w





# Other Products—customizable



**ZWIN-GK06**  
Working condition monitor



**ZWIN-SC06**  
Data acquisition and transmission instrument



 **ZWIN-EC06**  
Odor Online Monitor



**ZWIN-OBD-06**  
Exhaust Emission Monitor



**ZWIN-EC06 portable**  
Odor Online Monitor



**Vehicle-mounted air quality**  
online monitoring system



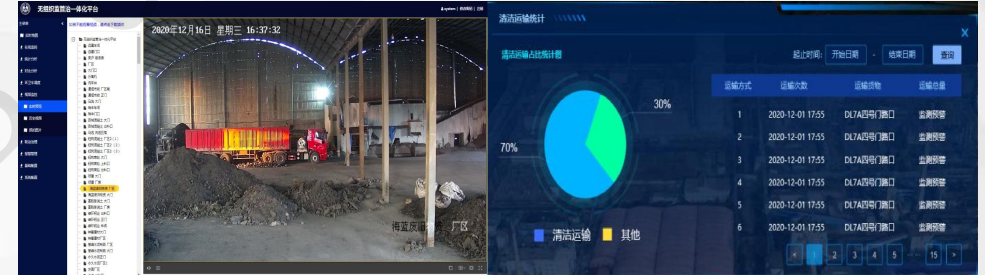
**Outdoor ambient air quality**  
monitoring all-in-one  
machine



# Online Platform

The environmental monitoring platform is based on cloud computing technology, allowing a large number of front-end smart devices to access at the same time, real-time data is transmitted wirelessly, uploaded and summarized to the cloud computing data storage analysis platform through big data analysis and processing, the cloud platform is used to analyze the analysis in multiple dimensions. Users can view and analyzed data through mobile phones and computers

The big data overview function combines geographic information, air data, and meteorological data to visualize the air quality monitoring data in the designated area, and vividly shows the real-time trend of air quality and the distribution of pollution





Change Password | Quit

## IOT Cloud

Menu

- Parameter Configuration
- My Device
- Remote Debugging

### Historical Data

Real-time Data
Minute Data
Hourly Data
Daily Data
Run Logs

Search
Export

Sheet
Curve

No	Time	温度	湿度	气压	二氧化氮	一氧化碳	二氧化硫	PM10	PM2.5	Alt	Lat	Lon	Speed
1	2023-09-12 17:20:58	28.1	75.8	100.272	20.243	0.279	8.562	14	14	967295	23.683355	113.0574...	0
2	2023-09-12 17:20:56	28.1	75.8	100.272	20.243	0.279	8.562	14	14	967295	23.683353	113.0574...	0
3	2023-09-12 17:20:54	28.1	75.8	100.272	20.243	0.279	8.562	14	14	967295	23.683349	113.0574...	0
4	2023-09-12 17:20:52	28.1	75.7	100.272	20.243	0.279	8.562	15	14	967295	23.683349	113.0574...	0
5	2023-09-12 17:20:51	28.1	75.7	100.272	20.243	0.279	8.562	15	14	967295	23.683349	113.0574...	0
6	2023-09-12 17:20:48	28.1	75.7	100.272	20.243	0.253	8.562	15	14	967295	23.683353	113.0574...	0
7	2023-09-12 17:20:46	28.1	75.6	100.272	20.243	0.253	8.562	15	15	967295	23.683353	113.0574...	0
8	2023-09-12 17:20:44	28.1	75.6	100.272	20.243	0.253	8.562	15	15	967295	23.683351	113.0574...	0
9	2023-09-12 17:20:42	28.1	75.6	100.272	20.243	0.253	8.562	15	15	967295	23.683351	113.0574...	0
10	2023-09-12 17:20:40	28.1	75.5	100.272	20.242	0.253	8.562	15	15	967295	23.683351	113.0574...	0
11	2023-09-12 17:20:38	28.1	75.5	100.272	20.242	0.253	8.562	15	15	967295	23.683351	113.0574...	0
12	2023-09-12 17:20:36	28.1	75.5	100.272	20.242	0.253	8.562	15	15	967295	23.683351	113.0574...	0
13	2023-09-12 17:20:34	28.2	75.6	100.272	20.241	0.253	8.521	13	13	967295	23.683355	113.0574...	0
14	2023-09-12 17:20:32	28.2	75.6	100.272	20.241	0.253	8.521	13	13	967295	23.683355	113.0574...	0
15	2023-09-12 17:20:30	28.2	75.6	100.272	20.241	0.253	8.521	13	13	967295	23.683351	113.0574...	0

Free IOT Cloud that connects all your custom devices by entering a Serial Number.

You can view Real-time Data, Minute Data, Hourly Data, Daily Data, and Run Logs by selecting the Time Range.

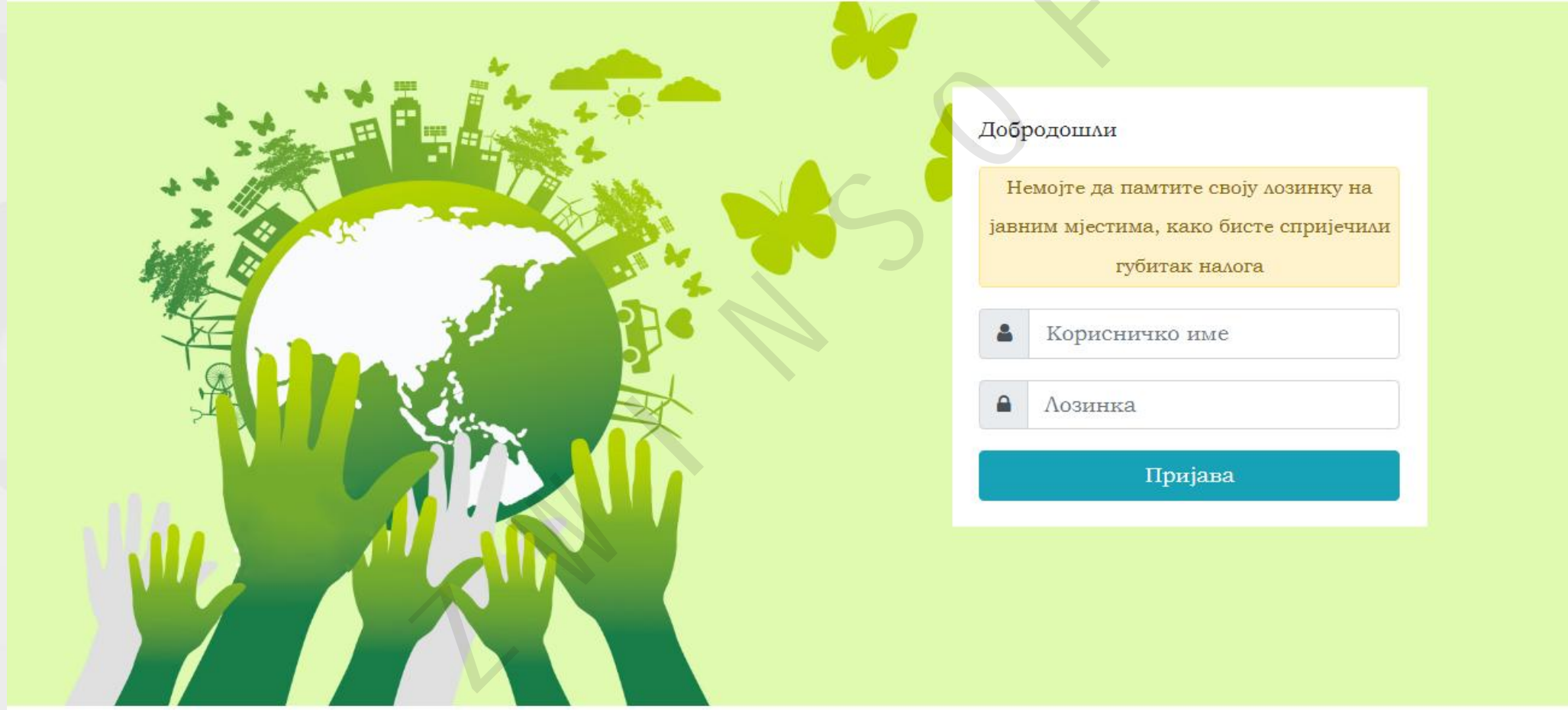
At the same time, you can export the data to Excel table

Such as, temperature and humidity, atmospheric pressure, and direction, and monitoring gas data SO2/NO/NO2/CO/O3....



# Customized Multi-function Platform

Customizable language/logo/name——English and Multilingual Versions



This is a Serbian software platform customized by our company

# Customized Multi-function Platform

Customizable language/logo/name—English and Multilingual Versions

username

Главни мени

Увећајте Смањите Вектор Сателит Име тачке

Све 3 Ван мреже 2 Нормално 1 Упозорење 0 Прекорачење 0 Необично 0

Име/Код Упит

3

4

2

5

1

device number 1/2/3 longitude latitude

Основне информације

Код уређаја	device number 1/2/3
Име тачке	longitude latitude
Географска дужина	
Географска ширина	

Подаци у реалном времену

Вријеме објаве 03-01-2024 02:55:00

Угљен-моноксид	0.69 mg/m <sup>3</sup>	Озон	28.0 µg/m <sup>3</sup>
Сумпор-диоксид	48.0 µg/m <sup>3</sup>	Азот-диоксид	20.0 µg/m <sup>3</sup>
Азот-моноксид	163.8 µg/m <sup>3</sup>	Суспендоване честице PM2.5	4.4 µg/m <sup>3</sup>
Суспендоване честице PM10	7.0 µg/m <sup>3</sup>	Чађ	14.0 µg/m <sup>3</sup>
Бука	50.8 decibel	Температура	16.5 °C
Влажност	45.7 %RH	Атмосферски притисак	110.0 kPa
Брзина вјетра	0.0 m/s	Смјер вјетра	0.0 °

Included function  
Real-time map  
On-line monitoring  
Statistical analysis  
Alarm management  
Basic configuration  
.....  
Or any other features you want to customize, negotiable

This is a Serbian software platform customized by our company

# Customized Multi-function Platform

The screenshot displays a web application interface for monitoring data. On the left is a blue sidebar menu with options: Главни мени, Мапа у реалном времену, Online мониторинг, Тренутни мониторинг, Историјски подаци, Статистичка анализа, Управљање обавјештењима, and Основна конфигурација. The main area has a search bar for 'Име тачке', a filter for 'Тип података' (У реалном времену, Минуте, Сати, Дани), and a date range selector (02-01-2024 02:57:04 - 03-01-2024 02:57:04). Below this is a table with 13 columns: Серијски број, Вријеме објаве, Угљен..., Озон, Сумпо..., Азот-д..., Азот-м..., Суспен..., Суспен..., Чађ, Бука, Темпер..., and Влажн... The table contains 17 rows of data. At the bottom, there is a pagination control showing 'Страница до 1', 'Укупно 1439', and '50 по страници'.

Серијски број	Вријеме објаве	Угљен...	Озон	Сумпо...	Азот-д...	Азот-м...	Суспен...	Суспен...	Чађ	Бука	Темпер...	Влажн...
1	02-01-2024 02:58:00	1.71	59	40	27	161.98	14.2	19.6	29	52.7	10.4	70.7
2	02-01-2024 02:59:00	1.72	59	40	30	161.86	14.2	19.6	29	51.4	10.4	71.5
3	02-01-2024 03:00:00	1.72	58	41	29	161.86	14.2	19.6	29	51.8	10.4	71.6
4	02-01-2024 03:01:00	1.72	58	41	26	162.1	14.1	19.5	29	51.8	10.4	71.2
5	02-01-2024 03:02:00	1.71	59	41	29	161.86	14.1	19.5	29	50.5	10.5	71
6	02-01-2024 03:03:00	1.7	57	41	29	161.86	14.1	19.5	29	50.7	10.6	70.7
7	02-01-2024 03:04:00	1.69	57	43	27	161.98	14.1	19.3	28	50.8	10.6	70.3
8	02-01-2024 03:05:00	1.69	58	42	29	161.98	14.1	19.3	28	50.6	10.6	70.2
9	02-01-2024 03:06:00	1.68	58	47	30	161.98	14.1	19.3	28	50.6	10.6	70.4
10	02-01-2024 03:07:00	1.67	58	47	28	162.1	13.9	19	28	50.7	10.5	70.6
11	02-01-2024 03:08:00	1.67	59	44	29	161.86	13.9	19	28	51.2	10.4	71
12	02-01-2024 03:09:00	1.67	59	46	28	161.86	13.9	19	28	50.4	10.4	71.3
13	02-01-2024 03:10:00	1.67	60	45	27	161.86	13.5	18.7	28	52.2	10.3	71.2
14	02-01-2024 03:11:00	1.65	60	48	26	161.74	13.5	18.7	28	51.7	10.3	71.6
15	02-01-2024 03:12:00	1.64	59	46	26	161.74	13.5	18.7	28	50.6	10.3	71.4
16	02-01-2024 03:13:00	1.64	60	46	26	161.74	13.4	18.6	28	50.4	10.2	71.6
17	02-01-2024 03:14:00	1.63	58	43	26	161.86	13.4	18.6	28	51.4	10.2	71.2

Customized Multi-function Platform that connects all your custom devices by entering a Serial Number.

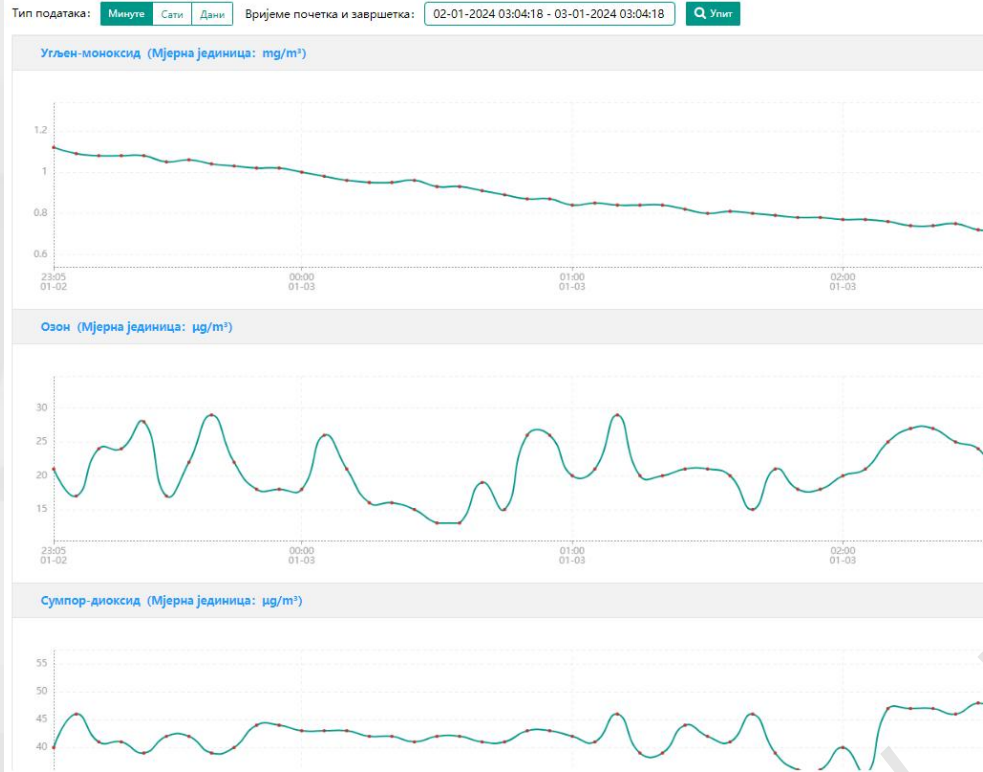
You can view Real-time Data, Minute Data, Hourly Data, Daily Data, and Run Logs by selecting the Time Range.

At the same time, you can export the data to Excel table

Such as, temperature and humidity, atmospheric pressure, and direction, and monitoring gas data SO<sub>2</sub>/NO/NO<sub>2</sub>/CO/O<sub>3</sub>....



# Customized Multi-function Platform



Included function

Real-time map

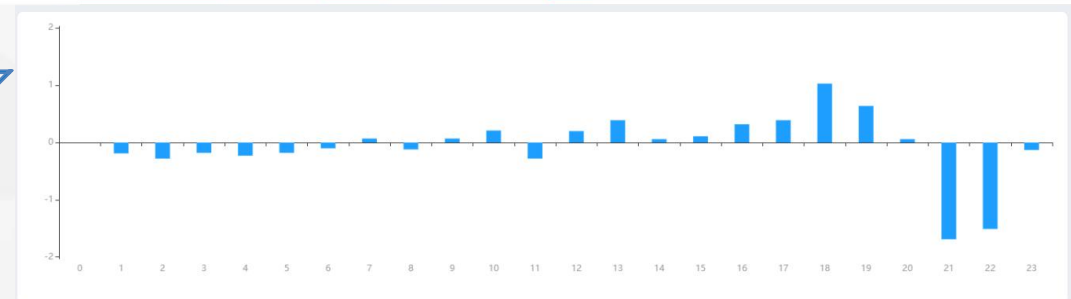
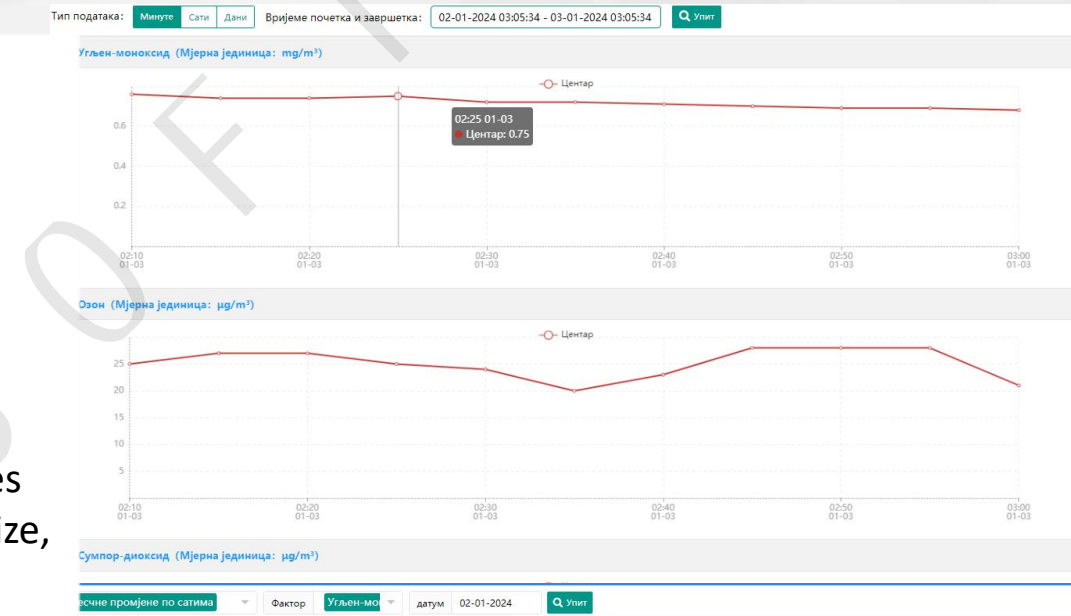
On-line monitoring

Statistical analysis

Alarm management

Basic configuration

.....  
Or any other features  
you want to customize,  
negotiable



Сериј...	Тренутно вријеме мјерења	Тренутна вриједност мјерења	Разлика	Стопа мјесечног раста
1	02-01-2024 00:00	2.58	--	--
2	02-01-2024 01:00	2.39	-0.19	-7.36%
3	02-01-2024 02:00	2.11	-0.28	-11.72%
4	02-01-2024 03:00	1.93	-0.18	-8.53%
5	02-01-2024 04:00	1.7	-0.23	-11.92%
6	02-01-2024 05:00	1.52	-0.18	-10.55%
7	02-01-2024 06:00	1.42	-0.10	-6.58%
8	02-01-2024 07:00	1.49	0.07	4.93%
9	02-01-2024 08:00	1.37	-0.12	-8.05%
10	02-01-2024 09:00	1.44	0.07	5.11%
11	02-01-2024 10:00	1.65	0.21	14.58%

Customized Multi-function Platform that connects all your custom devices by entering a Serial Number.

You can view Real-time Data, Minute Data, Hourly Data, Daily Data, and Run Logs by selecting the Time Range.

At the same time, you can export the data to Excel table

Such as, temperature and humidity, atmospheric pressure, and direction, and monitoring gas data SO<sub>2</sub>/NO/NO<sub>2</sub>/CO/O<sub>3</sub>....

# Customized Multi-function Platform

Освјежите

Серијски број	Код показатеља	Име показатеља	Мјерна јединица	Број децимала	Граница упозор...	Вриједност праг...	Мјерни опсер	Напомена	Управљање подешавањима
1	a34004	Суспендоване че...	µg/m³	1	35	75	0~10000	-	Уредите
2	a34002	Суспендоване че...	µg/m³	1	60	100	0~10000	-	Уредите
3	a34001	Чађ	µg/m³	1	80	120	0~10000	-	Уредите
4	a01001	Температура	°C	1	--	--	0~120	-	Уредите
5	a01002	Влажност	%RH	1	--	--	0~100	-	Уредите
6	a01006	Атмосферски пр...	kPa	1	--	--	0~120	-	Уредите
7	a01007	Брзина вјетра	m/s	1					
8	a01008	Смјер вјетра	°	1					
9	a21005	Угљен-моноксид	mg/m³	2					
10	a05024	Озон	µg/m³	1					
11	a21026	Сумпор-диоксид	µg/m³	1					
12	a21004	Азот-диоксид	µg/m³	1					
13	a21003	Азот-моноксид	µg/m³	1					
14	LA	Бука	decibel	1					

Тип прага узбуне: Упозорење Праг узбуне Необично Вријеме почетка и завршетка: 02-01-2024 03:12:31 - 03-01-2024 03:12:31

Број	Мјерна локација	Вријеме	Факто	Ограничење	Вриједност мониторинга	Вишеструк
1	Центар	02-01-2024 11:52:00	Суспендоване честице PM2.5	35	35.9	1.03
2	Центар	02-01-2024 11:53:00	Суспендоване честице PM2.5	35	35.9	1.03
3	Центар	02-01-2024 11:54:00	Суспендоване честице PM2.5	35	36	1.03
4	Центар	02-01-2024 11:55:00	Суспендоване честице PM2.5	35	35.7	1.02
5	Центар	02-01-2024 11:56:00	Суспендоване честице PM2.5	35	35.7	1.02
6	Центар	02-01-2024 11:57:00	Суспендоване честице PM2.5	35	35.6	1.02
7	Центар	02-01-2024 11:58:00	Суспендоване честице PM2.5	35	36	1.03
8	Центар	02-01-2024 11:59:00	Суспендоване честице PM2.5	35	36	1.03
9	Центар	02-01-2024 12:00:00	Суспендоване честице PM2.5	35	36.4	1.04
10	Центар	02-01-2024 12:00:00	Суспендоване честице PM2.5	35	36	1.03
11	Центар	02-01-2024 12:01:00	Суспендоване честице PM2.5	35	37	1.06
12	Центар	02-01-2024 12:02:00	Суспендоване честице PM2.5	35	37	1.06
13	Центар	02-01-2024 12:03:00	Суспендоване честице PM2.5	35	37.4	1.07
14	Центар	02-01-2024 12:00:00	Суспендоване честице PM2.5	35	37.4	1.07
15	Центар	02-01-2024 12:04:00	Суспендоване честице PM2.5	35	38.4	1.10
16	Центар	02-01-2024 12:05:00	Суспендоване честице PM2.5	35	38.4	1.10
17	Центар	02-01-2024 12:05:00	Суспендоване честице PM2.5	35	37	1.06
18	Центар	02-01-2024 12:06:00	Суспендоване честице PM2.5	35	39	1.11
19	Центар	02-01-2024 12:07:00	Суспендоване честице PM2.5	35	39.8	1.14

1 2 3 ... 22 > Страница до 1 страници Потврдите Укупно 1057 50 по страници

## Notification management

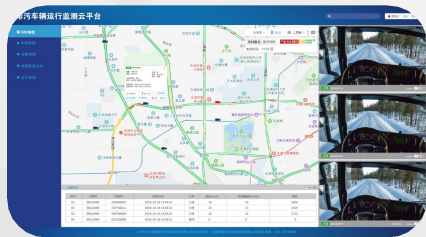
Notification threshold

Notification record

Warning/alarm/exception

.....

# Smart Environmental Protection Integrated Management Platform



## Subsystem

Integrates Air Quality Monitoring, construction site dust monitoring, cooking fume, volatile organic compound monitoring, water quality monitoring, soil monitoring, and mobile law enforcement subsystems;



## Subsystem

Integrate subsystems such as pollution source monitoring, vehicle exhaust monitoring, straw burning monitoring, video monitoring management, power consumption monitoring under working conditions, and radiation monitoring.



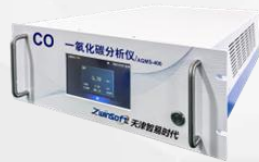
# Which ONE are you interested in?

## Environmental Monitoring Instruments

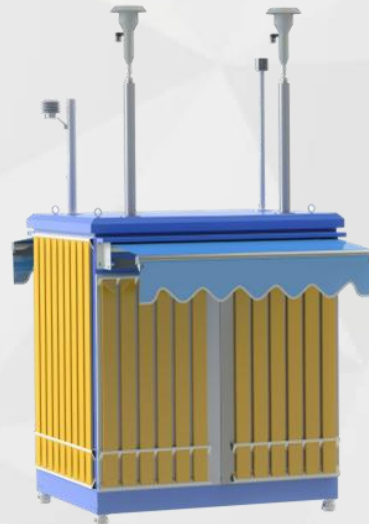
1. Air quality Monitor
2. Dust Monitor
3. Water Quality Monitor
4. Noise Monitor
5. Sound Level Meter / Calibrator
6. Gas Detector (Fixed/Portable)
7. CEMS
8. AQMS



9. Oil Fume Monitor
10. Exhaust Monitor
11. VOCs Monitor
12. Analyzer



13. Water quality Sensor (such as COD / PH / DO / Turbidity...)
14. Gas Sensor (SO2/NO/NO2/CO/O3/TVOC....)
15. Particle Sensor (PM2.5/PM10/TSP)
16. Temperature/Humidity/Atmospheric Pressure/Wind Speed and Direction Sensors



.....  
(Customized multi-function software platform / language / logo / name)



**Leading Environmental Monitoring Solution Provider**

**PART 03**

**PART 03**



# PRODUCTION

- Production management
- Assembly workshop
- Calibration workshop

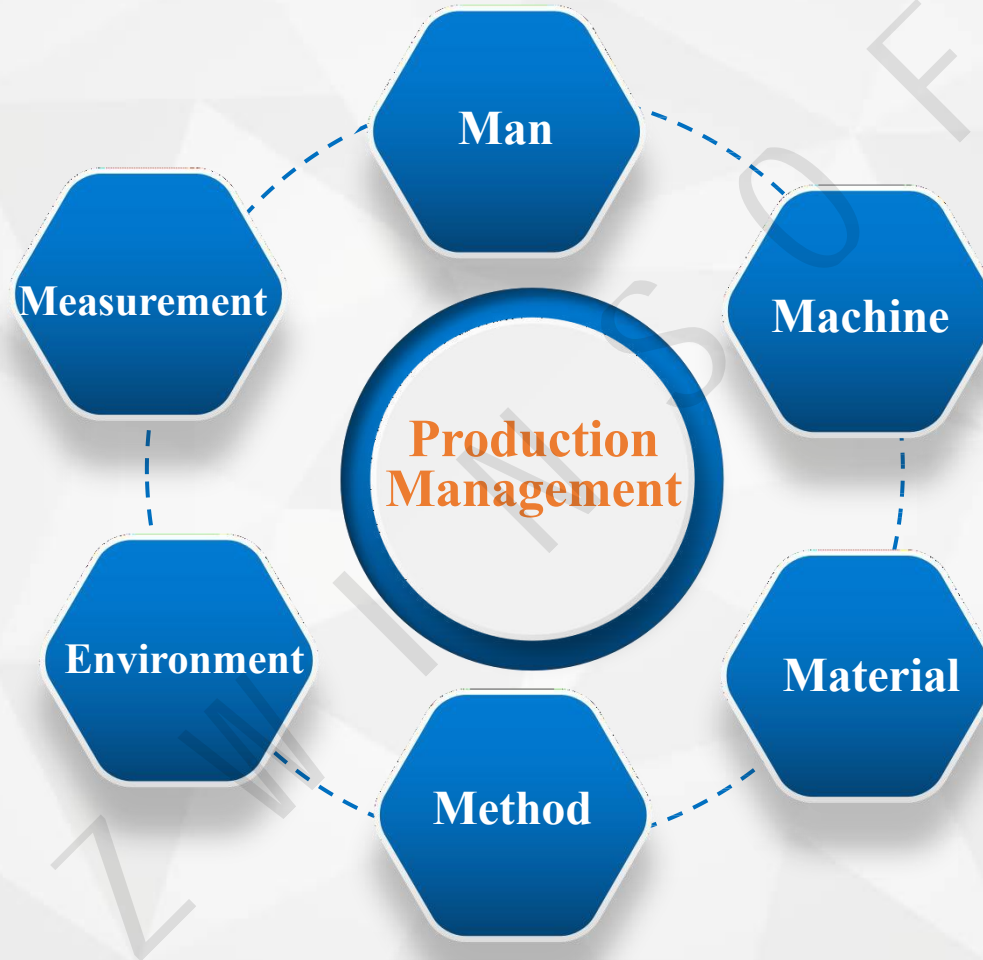


# production Management

Equipped with professionals, skilled, grouped and classified management to maintain production efficiency

With a large-scale production and assembly workshop, it can quickly respond to market orders and ensure that the workshop meets standard production temperature, humidity, lighting and cleaning conditions

Have a professional technical research and development team, regularly train methods and methods, and ensure production with correct and effective working methods



Equipped with a number of professional imported measurement, calibration and calibration equipment; equipped with high-precision measuring instruments, regular maintenance to ensure accurate data

Strictly control the supply of raw materials, and have complete inspection procedures for incoming ingredients, physical properties and chemical properties

Strictly in accordance with the ISO9001 quality management system, with complete production specifications and procedures



# Production and Assembly Workshop



Attitude decides everything  
Details make a difference  
Goal - determine the direction  
Action--achieve the future





## Semi-finished products

## Accessories



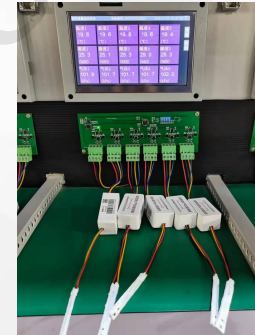
Dust sensor



Wind speed  
wind direction  
sensor



Analyzer  
sensor  
semi-finished  
product



Temperature  
and humidity  
air pressure  
sensor



LED display  
Parts



Environmental  
noise  
sensor





**Leading Environmental Monitoring Solution Provider**

**PART 04**



## **CASE STUDY**

- Technical service support
- Field installation case

**PART 04**



# Case Study

British / Bosnia and Herzegovina / UAE / KSA

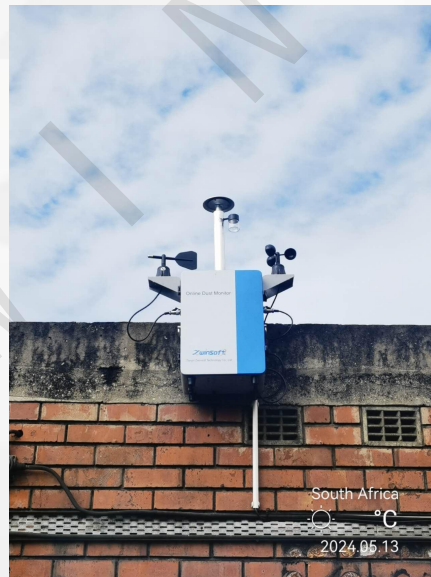
ZWIN-AQMS06 Air Quality Monitor



# Case Study

South Africa / Iran

ZWIN-YC08 Dust Online Monitor



# Case Study

India

ZWIN-BAM06 Beta Dust Monitor

ZWIN-WQMS06 Water Quality Monitoring System





# Case Study

Spain

ZWIN-AQMS100 Zero Air Generator  
ZWIN-AQMS200 Dynamic Calibrator



# Case Study

Germany

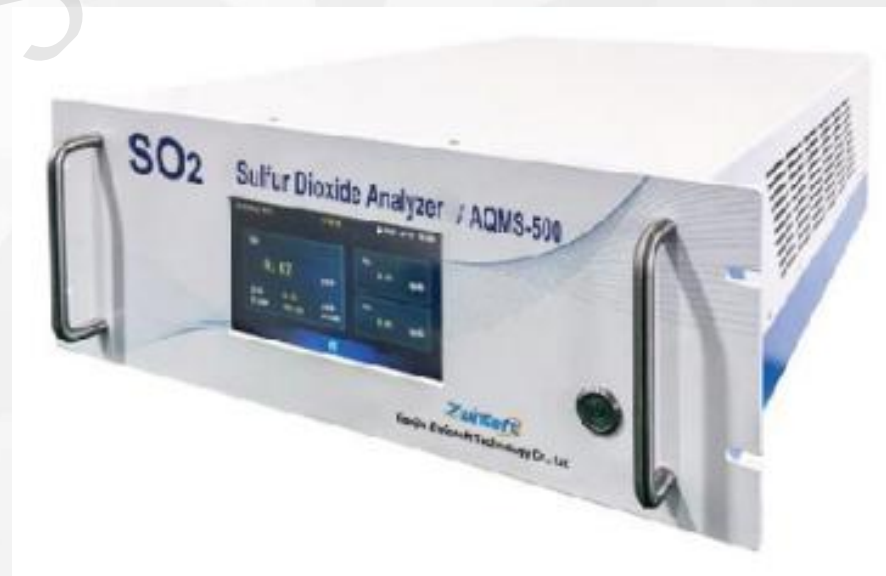
ZWIN-AQMS300 Ozone Analyzer



# Case Study

Zambia

ZWIN-AQMS500 SO<sub>2</sub> Analyzer





# Case Study

Uzbekistan

ZWIN-AQMS400 CO Analyzer

ZWIN-AQMS600 NO<sub>x</sub> Analyzer



# Case Study

French

ZWIN-GasGuard08 Fixed Multi Gas Detector



# Case Study

Italy

ZWIN-WS06 Weather Station





## Case Study

Netherlands / New Zealand

ZWIN-PMS06 Particulate Matter Sensor



# Case Study

Australia

ZWIN-SLM1008 Sound Level Meter



# Case Study

Senegal

ZWIN-EC06 Portable Odor Monitor





# Case Study

Rwanda

ZWIN-CEMS06 Continuous Emission Monitoring System



# Case Study

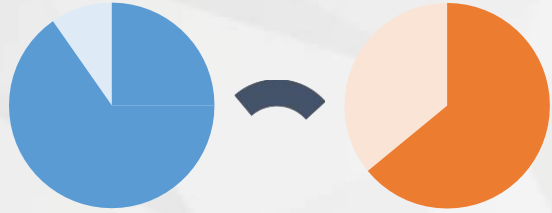
Brazil-ZWIN-C-AQMS-2308C16





# Case Study

Cloud Platform  
: <http://iot.zwinsoft.com/>



real time data

**34 provinces**  
Air quality data

**358**



Mobile Phone



ONLINE

PWLAN

LAN



# Case Study



Dust video surveillance



dust monitoring on construction site



Vehicle dust monitoring on construction site



Air Quality Monitoring



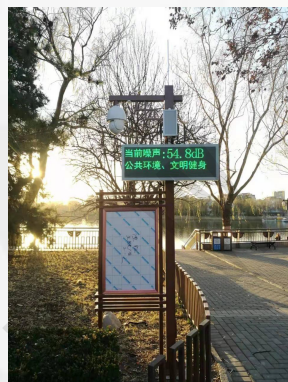
VOC Monitoring



Food fume monitoring



Atmospheric environment monitoring



Park Noise Monitoring



Disorganized visualization of TSP



Enterprise working condition monitoring



Online monitoring of pollution sources

# Case Study



Atmospheric Environment Automatic Monitoring Station



On-line dust monitoring of vehicle



Vehicle exhaust gas monitoring system



Small Air Quality Monitoring Station



Emission Monitoring



Online monitoring of industrial area



Atmospheric Grid Monitoring



# CONTACT US

Tianjin Zwinsoft Technology Co.,Ltd.

**Address:** Room101, Building M6, Green Industry Base, No.6, Haitai Fazhan Sixth Road ,Huayuan Industrial Park, Binhai Gaoxin District, Tianjin ,China

<http://en.zwinsoft.com>

<https://maps.app.goo.gl/73FMKSUcC6j3z94f9>

**Tel:** 022-23778895

**Email:** Ana@zwinsoft.com  
Vicky@zwinsoft.com  
Aaron@zwinsoft.com  
Alessaxu@zwinsoft.com  
Amber@zwinsoft.com

