



Tianjin Zwinsoft Technology Co., Ltd

COMPANY PROFILE

Tianjin Zwinsoft Technology Co., Ltd. is a high-tech company founded by a doctor from Nankai University. Zwinsoft is committed to online monitoring of various environmental elements and online services product suppliers. Zwinsoft's products are positioned in the mid-to-high-end market, quickly responds to customer needs, and timely launch products and solutions that meet practical applications. It has successively obtained national high-tech enterprise certification, technology-based enterprise certification, software enterprise certification, AAA credit rating certification. The company has a high-level R&D team, professional development capabilities, focuses on the key needs of environmental monitoring and pollution prevention, accelerates the independent research and development of core technologies and the transformation of achievements, and has successively obtained software copyrights, software product certificates and patents, hundreds of intellectual property rights such as patent certificates. At the same time, it cooperates closely with Nankai University, Tianjin University and other Universities and research institutes such as the Green Intelligence Research Institute of the Chinese Academy of Sciences to improve the high-level of environmental online monitoring technology.



The company's products are based on a smart and environmentally friendly big data cloud platform, equipped with online monitoring equipment such as air quality, dust, noise, cooking fumes, volatile organic compounds, motor vehicle exhaust, pollution sources, etc, forming a "one platform, multiple applications" 1+N Monitor the network system. The products have obtained dozens of environmental protection product certifications, measuring instrument certifications, and testing reports from authoritative organizations, and are sold well all over the country and some overseas markets.



DISTRIBUTED BY:



Alpha Middle East Green Technologies Ltd. Co. (AMEGTECH)
HEAD OFFICE: P.O. Box 1670, Zip Code 77110, ALV Logistics village, Building 7, Aqaba, Jordan.
Tel: 962 3 2016363/6364, Fax: 962 3 2016365
SALES OFFICE: P.O. Box 5698, Zip Code 11953, Amman, Jordan.
Tel: 962 6 5854771/2, Fax: 962 6 585 477
E-mail: Amegtech@amegtech.com, Web site: www.amegtech.com



INNOVATIONS TECHNICAL EQUIPMENT TRADING CO LLC
E-mail: itete@eim.ae Web: www.itt-innovations.com
P.O. Box 31206 Dubai, UAE. Tel.: 971 4 2629700, Fax: 971 4 2629367, E-mail: itete@eim.ae

01



ZWIN-YC08 DUST ONLINE MONITOR

ZWIN-YC08 DUST ONLINE MONITOR is designed to inspect multi environmental factors, which includes PM2.5, PM10, noise, temperature, humidity, light, wind speed and wind direction. With data collection & transmission and video monitoring module, its easy to realize real-time data and video display.

- Continuous 24 hours online monitoring
- Rugged dust-proof, rust-proof and moisture-proof shell, IP65 grade
- Quick set up and easy operation

02



ZWIN-PM06 Sensor

ZWIN-PM06 Sensor is one of the Atmospheric aerosol Sensors that independently developed by our company. it adopts the principle of laser scattering and can accurately detect and calculate the concentration of suspended particles in the per unit volume air with different particle sizes. It can realize the real-time output of the mass concentration value of PM2.5, PM10 and TSP.

03



ZWIN -YCM06 Portable Online Dust Detector

ZWIN-YCM06 Portable Dust Detector is our company's newly launched active particle detector, a highly integrated portable one. Its main characteristics are as follows: highly accurate, small in size, light weight, easy to use and adaptable for long-time outdoor operation, also can be used in indoor public places dust detection.

Detection principle: light scattering method; Resolution ratio: 0.1ug/m3;

Particular size channel: PM2.5, PM10; Detection range: 0~1000ug/m3.

04



ZWIN-BAM1006 Continuous Particulate Monitor

BAM1006 Continuous Particulate Monitor adopts the principle of β ray attenuation to measure the particle concentration. The result is accurate and reliable. It consists of three basic components: the instrument host, the cutting head, and sampling system.

Concentration Range	0-1,000ug/m3(10,000ug/m3);
Accuracy	+2%;
Operating Environment	
Temperature	20℃~50℃
Humidity	≤80%
Air Pressure	86kPa~106kPa;
Power Supply	AC220V+22V, frequency 50Hz+1HZ

05



ZWIN-AQMS06 Air Quality Monitor

ZWIN-AQMS06 Mini Air Quality Monitor is designed specially for gas detection. All monitoring parameters can be configured, which include O₃, NO₂, NO_x, CO, SO₂, PM_{2.5} and PM₁₀. Other pollutants like VOCs, H₂S and CO₂, noise and meteorological factors can be configured according to your requirements. With high-sensitivity sensor, fast response, high resolution, good linearity, and the lowest limit of detection is up to ppb (part per billion) level, stable operation under high temperature conditions.

06



ZWIN-AQMS06-M Mobile Air Quality Monitor

ZWIN-AQMS06-M Mobile Air Quality Monitor is designed specially for mobile gas detection. All monitoring parameters can be configured, including O₃, NO₂, SO₂, CO, PM_{2.5} and PM₁₀. Other pollutants like VOCs, H₂S and CO₂, noise and meteorological factors can be configured according to your requirements. With high-sensitivity sensor, fast response, high resolution, good linearity, and the lowest limit of detection is up to ppb (part per billion) level, stable operation under high temperature conditions.

07



PM2.5/PM10 Analyzer(β-ray attenuation method)

Based on B-ray attenuation method, the PM_{2.5}/PM₁₀ particulate matter monitor is an automatic PM analysis instrument commonly used at home and abroad. It is a special instrument that can measure the concentration of inhalable lung particulate matter (PM_{2.5} or PM₁₀) in the atmosphere. The main unit of the instrument is installed in the cabinet, through the connection of the sealed pipe and the cutting head (PM_{2.5} or PM₁₀) outdoor, the atmospheric particulate matter PM₁₀ (aerodynamic diameters ≤ 10 μm) and PM_{2.5} (aerodynamic diameters ≤ 2.5 μm) can be processed.

08



ZWIN-AQMS100 Zero Air Generator

ZWIN-AQMS100 Zero Air Generator is mainly used for zero point calibration of urban environmental air quality monitoring instruments and indoor environmental air quality monitoring instruments. This instrument has the advantages of stable zero gas flow rate output, low dew point, zero gas drying and cleaning, and simple operation.

09



ZWIN-AQMS200 Dynamic Calibrator

ZWIN-AQMS200 Dynamic Calibrator is a high-precision gas analyzer calibration instrument developed for online atmospheric monitoring and industrial control on-site analysis. It is a precision gas calibration instrument based on microprocessor control, mainly used for the calibration of environmental air quality continuous automatic online monitoring system analyzers, and can also be used for quality control in laboratory and gas analyzer production. It has the characteristics of high gas distribution accuracy, high reliability, fast response time, easy operation, and wide applicability.

10



ZWIN-AQMS-300 O3 Analyzer

ZWIN-AQMS-300 Ozone (O₃) analyzer measures ambient O₃ concentration in ppb level by utilizing UV photometric absorption technology. Multi-tasking software allows viewing test variables while operating.

Measuring range: 0~1,000ppb(extendable)

Zero drift: +1ppb/24h

Response time: ≤120s

11



ZWIN-AQMS-400 CO Analyzer

ZWIN-AQMS-400 CO analyzer adopts non-dispersive infrared spectrum technology combines with advanced microprocessor technology. It provides accurate and reliable detection of CO at ppm level to meet the requirement of ambient gas monitoring.

12



ZWIN-AQMS-500 SO₂ Analyzer

ZWIN-AQMS-500 SO₂ analyzer adopts ultraviolet fluorescence method and combines with advanced microprocessor technology. 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.

ZWIN-AQMS-600 NO_x Analyzer

13



ZWIN-AQMS-600 NO_x analyzer adopts chemiluminescence method and combines with advanced microprocessor technology. It provides accurate and reliable detection of NO_x at ppb~ppm level which meets the requirements of ambient gas monitoring and online monitoring of pollution source with dilution method.

Measuring range: 0-500ppb/1000ppb(0-20ppm extendable)

Zero drift: ± 1 ppb/24h

Response time: ≤ 120 s

Interface: RS485, 4-20mA, 0-1V/2V/5V/10V

ZWIN-AQMS550 H₂S Analyzer

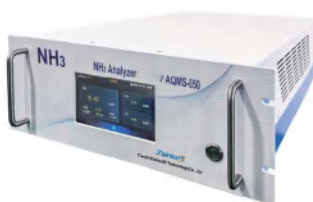
14



ZWIN-AQMS550 H₂S Analyzer has the characteristics of high measurement accuracy, good reliability, fast response time, easy operation and wide application range. The analyzer supports manual calibration and automatic calibration, the calibration program can be set by the user, and supports remote control and remote upload. Real-time measurement data and instrument status parameters can be automatically transmitted and queried, which can facilitate relevant departments to grasp the air quality status in a timely and accurate manner.

ZWIN-AQMS650 NH₃ Analyzer

15



ZWIN-AQMS650 NH₃ Analyzer has the characteristics of high measurement accuracy, good reliability, fast response time, easy operation and wide application range. The analyzer supports manual calibration and automatic calibration, the calibration program can be set by the user, and supports remote control and remote upload. Real-time measurement data and instrument status parameters can be automatically transmitted and queried, which can facilitate relevant departments to grasp the air quality status in a timely and accurate manner.

ZWIN-AQMS700 CO₂ Analyzer

16



ZWIN-AQMS700 CO₂ Analyzer is an online gas analysis instrument suitable for domestic environmental protection, greenhouse gas monitoring, carbon emission control, etc. It is mainly composed of infrared sensors (light source, gas absorption pool, detector), data acquisition unit, signal interface board, control circuit, power supply and other parts. This product is mainly based on Gas Filter Correlation (GFC) and Non-dispersive infrared (NDIR) to realize the measurement of carbon dioxide (CO₂) concentration. It has the characteristics of high precision, good stability and fast response time. It can be widely used in electric power, chemical industry, cement, steel, smelting and other scenes.

ZWIN-AQMS30 Environmental automatic online monitoring system

17



The environmental automatic monitoring system adopts the national standard method, Composed of PM2.5/PM10 analyzer (β -ray attenuation method), SO₂ analyzer (ultraviolet fluorescence method), NO_x (chemical spectrometry), O₃ analyzer (ultraviolet absorption method), CO analyzer (correlated infrared absorption method), zero Gas generator, dynamic calibrator, sampling system, meteorological monitoring, calibration system, urban imaging and other hardware, data acquisition and transmission system, monitoring station and other auxiliary materials, to achieve accurate monitoring of regional ambient air quality, can be used as a new national control system Stations. quality control stations, township stations or regional air quality monitoring stations.

18



19



ZWIN-BC1006 Black Carbon Analyzer

20



The ZWIN-BC1006 black carbon analyzer adopts the multi-band optical attenuation method to conduct online continuous monitoring and traceability analysis of the black carbon concentration in the ambient atmosphere. It can not only provide the basic data of the black carbon aerosol concentration, but also monitor the observation points affected by local air mass pollution.

Measuring principle: multi-band optical attenuation method

Mining flow: 2L/min or 5L/min, adjustable

Measuring range: 0.01-1000ug/m3

The detection limit: <2ng/m3

Resolution: <2ng/m3

Power supply: (220+10%)V/AC, (50+1)Hz

Operating temperature: 5-40 °C

Operating humidity: (0%~95%) RH (no condensation)

Measurement wavelength: 370nm、470nm, 520nm, 590nm, 660nm, 880nm, 950nm

Instrument display: 7" high resolution color screen

ZWIN-AQA1006 Portable Compressed Air Analyzer

21



ZWIN-AQA1006 Portable Compressed Air Analyzer can measure, record and verify the quality parameters of the compressed air system, measure O₂, CO₂, CO, dew point, oil vapor and pressure as defined in the breathing air purity standard. The product ensures reliable and fast measurement through robust design, fast sensor response time, and user-friendly interface, thus maximizing the protection of people using air for breathing applications. Compared with traditional methods, it is more accurate, faster and more convenient.

ZWIN-AQA1008 Portable Helium Oxygen Analyzer (Diving)

22



ZWIN-AQA1008 Portable helium oxygen Analyzer (Diving) is a portable three-mix analyzer designed to ensure the correct mixture of helium, oxygen and nitrogen, which is an easy-to-operate diving gas analysis instrument that can analyze gas mixtures, Automatically corrects for environmental conditions and eliminates the risk of manual calculation errors. It has a large back panel LCD that is easy to read even in low light conditions and provides additional information.

ZWIN-YY08 Oil Fume Monitor

23



ZWIN-YY08 online smoke monitor adopts new technology to directly monitor the concentration of oil smoke so as to truly achieve the purpose of online monitoring of oil fume, PM in catering industry. It can realize real-time display of test data. It is small size, light weight, easy to carry. The instrument integrated design for sampling, analysis control, sampling pump display screen, multi-parameter intuitive display on one screen widely used in catering industry oil fume and smoke detection.

ZWIN-PVOC06 Online Monitor

24



ZWIN-PVOC06 Online Monitor is a product suitable for monitoring at factory boundaries and fixed sources volatile organic compounds (VOC). It adopts the principle of PID photoionization and pump-suction sampling method.



25

Expert

Equipped with a strong R&D team, tailoring a professional application platform for enterprises

Overall

The development and customization of platforms, apps, and the functional modules are supported

Efficient

Conventional spare parts, standardized production processes, and large-scale production bases

Reliable

Support remote data storage, real-time backup, and provide "one enterprise, one file" data services

26



ZWIN-FVOCs06 INDUSTRIAL VOC MONITORING SYSTEM (FID METHOD)

ZWIN-FVOCs06 INDUSTRIAL VOC MONITORING SYSTEM (FID METHOD): consists of three basic parts: volatile organic compound monitoring system, gas parameter monitoring system. control and data acquisition system can monitor methane total hydrocarbons, non-methane total hydrocarbons, benzene series and partially halogenated hydrocarbon gas organic pollutants in exhaust gas.

27



ZWIN-CEMS06 Continuous Emission Monitoring System (CEMS)

Continuous Emission Monitoring System (CEMS) is composed of four basic parts: particulate matter monitoring subsystem, gaseous pollutant monitoring subsystem, flue gas parameter monitoring subsystem, sub system of system control and data collection & processing. It is capable of monitoring SO₂, NO_x, PM, temperature, pressure level and humidity.

28



ZWIN-NH306 Denitrification Ammonia Escape Online Analysis System

ZWIN-NH306 denitrification ammonia escape online analysis system is produced by our company. This system includes three parts: pre treatment system, gas analyzer, data processing and display. The sampling method of this system is in-situ high temperature tracing extraction. The basic principle of this system is based on Tunable Semiconductor Laser Absorption Spectroscopy (TDLAS) technology.

Authentication Certificate of Information Technology Service Management System

Registration No. 1992021TSM0033R0N

This is to certify that

Tianjin Zwinsoft Technology Co., Ltd.

Unified Social Credit Code: 91120116609875032A

Registered Address: Room 101, Block M6, No. 6 Haitai Fuzhan Sixth Road,

Fuzhan Sixth Avenue, Haitai Green Industrial Base, Tianjin

Office Address: Block M6, No. 6 Haitai Fuzhan Sixth Avenue, Haitai Green Industrial Base, Tianjin

P.C.: 300384

Is in conformity with:

ISO/IEC 20000-1:2018

The certificate is valid for the following scope:
Service management system for the delivery of computer application
service operation and maintenance to external customers

This certificate should be used effectively with the legal requirements of the administrative license, qualification license, compulsory certification, which the certification scope involved.
If the claim that the organization regularly receives surveillance assessments, the certificate shall be valid when used together with the Quick Response Code.

Date of Issue: 2021-03-10

Date of Expiry: 2024-03-09

Date of Initial Certification: 2021-03-10

Boqian Lin
General Manager

China Standard Huaxin (Beijing)
Certification Center Co., Ltd.

Authentication Certificate of Information Security Management System

Registration No. 19923IS00030R1S

This is to certify that

Tianjin Zwinsoft Technology Co., Ltd.

Unified Social Credit Code: 91120116609875032A

Registered Address: Room 101, Block M6, Green Industrial Base, No. 6, Haitai Fuzhan Sixth Road,

Huayuan Industrial Park, Binhai Green District, Tianjin, China

Office Address: Block M6, Green Industrial Base, No. 6,

Haitai Fuzhan Sixth Road, Huayuan Industrial Park, Tianjin

Is in conformity with:

GB/T 22080-2016/ISO/IEC 27001:2013

The certificate is valid for the following scope:
Information security management activities related to the
development of environmental monitoring application software
(Statement of Applicability: V2.0)

This certificate should be used effectively with the legal requirements of the administrative license, qualification license, compulsory certification, which the certification scope involved.
In the value that the organization regularly receives surveillance assessments, the certificate shall be valid when used together with the Quick Response Code.

Date of Issue: 2023-02-01

Date of Expiry: 2026-01-19

Date of Initial Certification: 2020-01-20

Date of Change: 2023-02-01

Boqian Lin
General Manager

IAF
INTERNATIONAL
ACCREDITED

CNAS
中国合格评定
国家认可委员会
MANAGEMENT SYSTEM
CNAS 182-M

China Standard Huaxin (Beijing)
Certification Center Co., Ltd.



Certificate of Data Security Capability Maturity Level

(Original)
This is to certify that

TIANJIN ZWINSOFT TECHNOLOGY CO., LTD

Unified social credit code: 91120116609875032A

Registered address: ROOM 101, BUILDING M6, GREEN INDUSTRY BASE, NO.6, HAITAI FUZHAN SIXTH AVENUE, HAIYUAN INDUSTRIAL PARK, BINHAI GAOXIN DISTRICT, TIANJIN, CHINA

has been successfully achieved data security capability maturity Level 2 against GB/T 37988-2019 Data Security Capability Maturity Model in the appraisal conducted on April 27, 2022

Involved sites and related activities:
Site 1: ROOM 101, BUILDING M6, GREEN INDUSTRY BASE, NO.6, HAITAI FUZHAN SIXTH AVENUE, HAIYUAN INDUSTRIAL PARK, BINHAI GAOXIN DISTRICT, TIANJIN, CHINA
Activity: BASED ON ENVIRONMENTAL MONITORING BIG DATA PLATFORM DEVELOPMENT, SALES, EQUIPMENT OPERATION, SAFETY MANAGEMENT OF ENVIRONMENTAL MONITORING DATA

Registration Number: CPREI-2023-000000000000
Issue Date: June 01, 2022
Expiry Date: May 31, 2025

Head Office: 10 Street of Zhongguo Avenue, Beijing
Responsible Officer: Guojinglin, 010-51311111

Zhao Guanjing
General Manager
CEPREI CERTIFICATION BODY

(The above certificate information has been entered on the National Certification and Accreditation Information Public Service Platform)