

悬浮粒子浮游菌在线监测系统 Online monitoring particle counter system

产品简介:

PRODUCT INTRODUCTION:

在线粒子监测系统是记录生产环境中的温度、湿度、风速、压差、露点、臭氧浓度、含氧量、环境洁净度等等参数的智能化警示系统。连续的监测和记录，同时产生报表。

当监测环境中的环境参数状态超过警戒线和纠偏线，该系统能自动激发声光报警，通知相关人员进行处理，从而帮助确保所监测的关键环境中的状况处于正常状态，以保证生产的顺利进行。

Online monitoring particle counter system is used to record the presence of airborne suspended particles in key areas of the production line.

It can automatically and continuously monitor and record the particle size and quantity distribution of suspended particles in the monitored ambient air, while generating reports.

When the state of dust particles in the monitored environment exceeds the warning line and deviation correction line, the system can automatically trigger an audible and visual alarm to notify relevant personnel to handle it, thereby helping to ensure that the particle state in the monitored critical environment is in a normal state to ensure the smooth progress of production.

产品优势:

- 1.功能强大的软件系统，兼容国内外品牌的传感器，比如：lighthouse METONE、PMS.....终身免费升级。
- 2.软件系统具有开放的数据接口，可与用户的MES/SCADA等系统无障碍握手。
- 3.具有完备的符合法规21CFR、part11的功能。
- 4.用户管理功能强大，具有超过1000个用户管理权限设置。
- 5.具有实时曲线数据和历史曲线数据切换功能。
- 6.远程监测全天候实时监测数据报表。
- 7.可远程进行仪器校准，快速灵活，无需拆卸返厂。
- 8.鸿基软件系统终身免费升级。



PRODUCT ADVANTAGES:

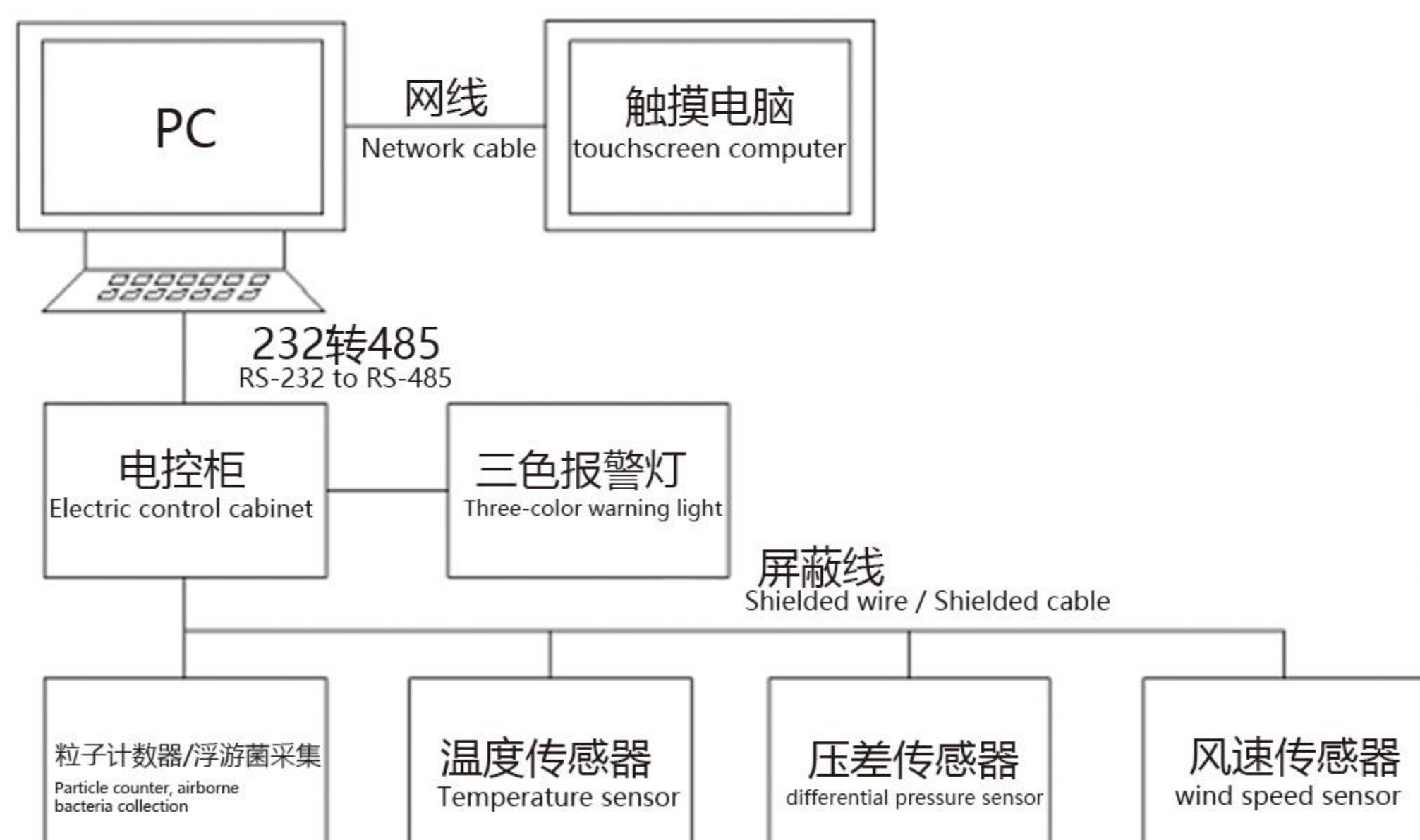
1. A powerful software system that is compatible with sensors from all over the world, such as lighthouse, METONE,PMS.....free upgrade.
- 2.The software system has an open data interface and can be easily connected to users' MES/SCADA and other systems.
- 3.The software fully complies with the functions of 21CFR and part11 regulations.
- 4.Powerful user management function, with over 1000 user management permission settings.
- 5.With real-time curve, data and historical curve data functions available for selection.
- 6.Remote monitoring 7/24 real-time monitoring data report.
- 7.Remote calibration, fast and flexible, without the need for disassembly and return to the factory.
8. HJCLEAR Software System Lifetime Free Upgrade.

在线系统组成:

STRUCTURE OF THE ONLINE SYSTEM:

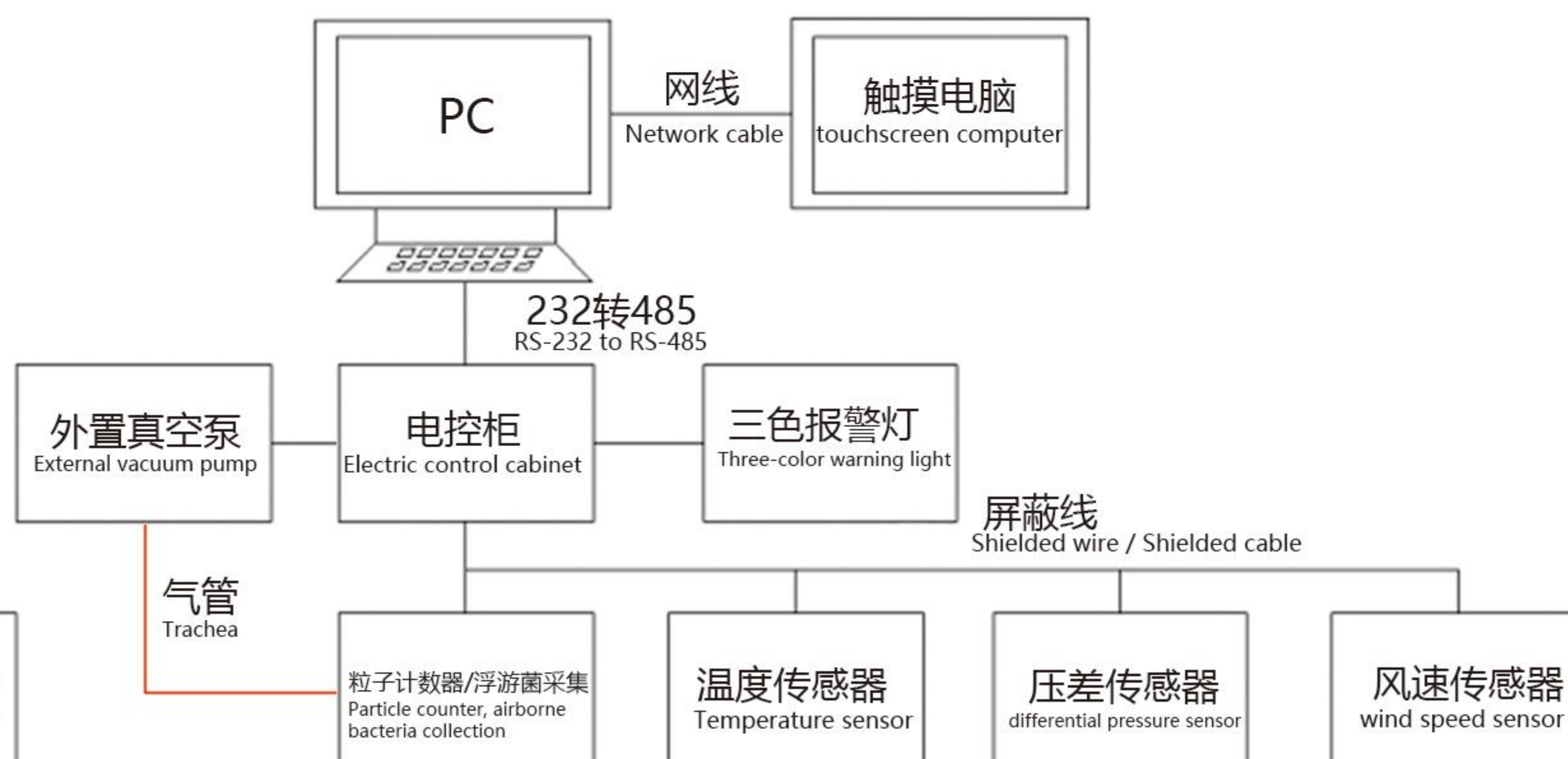
1、自带泵系统:

Self-contained pump system



2、外置真空泵系统:

External vacuum pump system



悬浮粒子浮游菌在线监测系统

Online monitoring particle counter system

技术参数:

PERFORMANCE PARAMETERS:

型号/参数 Model / Parameter	Y09-6S	REMOTE 3016	Y09-6S/T	Y09-SS	REMOTE 5102F	REMOTE 5102P	REMOTE 3106P
检测粒径 Detect particle size	0.5,5.0 μm	0.3,0.5,1.0 2.0,5.0,10 μm	0.5,5.0 μm	0.5,5.0 μm	0.5,5.0 μm	0.5,5.0 μm	0.3,0.5,1.0,2.0,5.0,10 μm
采样流量 Sampling flow	0.1CFM (2.83L/min)			1CFM (28.3L/min)			
外形尺寸(mm) Overall dimension (L * W * H)mm	160*120(+气 嘴25)*68 160 * 120 (+ air nozzle 25) * 68	214*115 (+气 嘴25) *50 214*115 (+air nozzle25) *50	160*120 (+气 嘴25) *68 160 * 120 (+ air nozzle 25) * 68	Φ80*260	140*100 (+气 嘴25) *64 140 * 100 (+ air nozzle 25) * 64	140*100*64	
质量 Weight	1.3kg	1.5kg	1.3kg	2.2kg	1.6kg	2.2kg	
最大功耗 Maximum power consumption	20w			8w	8w	50w	
供电电源 Power supply	DC12V±10%				24V±10%		
采样泵 Sampling pumps	内置泵,(品牌: 托马斯) Built-in pump, (brand: Thomas)			外置泵, 集中采样 External pump, centralized sampling		内置泵 Built-in pump	
检测单位 Detection unit	颗/ft3 Pcs/ft3						
浓度误差 Concentration error	30%						
重复性 Repeatability	≤10%						
测量精度 Measurement accuracy	±10%						
自净时间 Self-cleaning time	≤10 min						
输出方式 Output mode	RS485						
光源及寿命 Light source and life	半导体激光器, 寿命大于30000h Semiconductor laser, life greater than 30000h						
使用环境条件 Environment	温度: 10--30℃,湿度: 20—75%; 大气压力: 86kPa—106kPa Temperature: 10--30℃, humidity: 20-75%; Atmospheric pressure: 86kPa-106kPa						

在线尘埃粒子计数器:

在线尘埃粒子计数器是测量洁净空气环境中单位体积空气内所含粉尘颗粒大小和数量的在线检测在线粒子计数器。

本在线粒子计数器有多种型号(有小流量、大流量,有自带泵、外置泵,有 2 个粒径通道、6 个粒径通道)

采用了国际新型的探测空气中尘埃颗粒浓度的传感器,是集光学和激光技术、电子技术、计算机技术、精密机械、空气动力学等学科于一体的高科技产品,具有测量精度高、检测合理、性能稳定、功能多、造型独特、体积小重量轻、安装简便等特点,主要用于洁净环境洁净度在线监测、环境空气尘埃粒子变化趋势评判、环境空气质量和扬尘的在线监测和预警、报警,等等。

本变送器按照国际通用标准(ISO14644、EU-GMP)设计检测粒径档别和检测采样方式,其性能指标符合国家标准和国家计量检定规程。被广泛应用于制药、微电子、光学、医药卫生、生物制品、大气分析、航空航天等部门的环境在线监测。

ONLINE AIRBORNE PARTICLE COUNTER:

The online airborne particle counter is a system that measures the size and quantity of airborne particles contained in a unit volume of air in a clean air environment.

This online particle counter has multiple models (Y09-SS, Y09-6S, REMOTE3016, REMOTE5102, REMOTE5102P), Adopting a new international sensor for detecting the concentration of airborne particles in the air, it is a high-tech product integrating optics and laser technology, electronic technology, computer technology, precision machinery, aerodynamics, and other disciplines.

It is characterized by high measurement accuracy, reasonable detection, stable performance, multiple functions, unique modeling, small size, light weight, and easy installation, It is mainly used for online monitoring of cleanliness in clean environments, evaluating the change trend of ambient air dust particles, online monitoring, early warning, and alarming of ambient air quality and fugitive dust, etc...

This transmitter is designed to detect particle size classes and sampling methods in accordance with international standards (ISO14644, EU-GMP), and its performance indicators comply with national standards and national metrological verification regulations, It is widely used in online environmental monitoring in pharmaceutical, microelectronics, optics, medicine and health, biological products, atmospheric analysis, aerospace, and other departments.

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在线检测系统软件:

- 1、开放型的架构;
- 2、模块化, 可扩展;
- 3、实时数据显示, 图形、表格、数据状态、平面图显示;
- 4、历史数据查询;
- 5、无限数据存储容量;
- 6、各类数据输出;
- 7、自动报警;
- 8、自动出报告;
- 9、系统安全性登入;
- 10、符合CFR 211 PART 11电子签名相关要求。

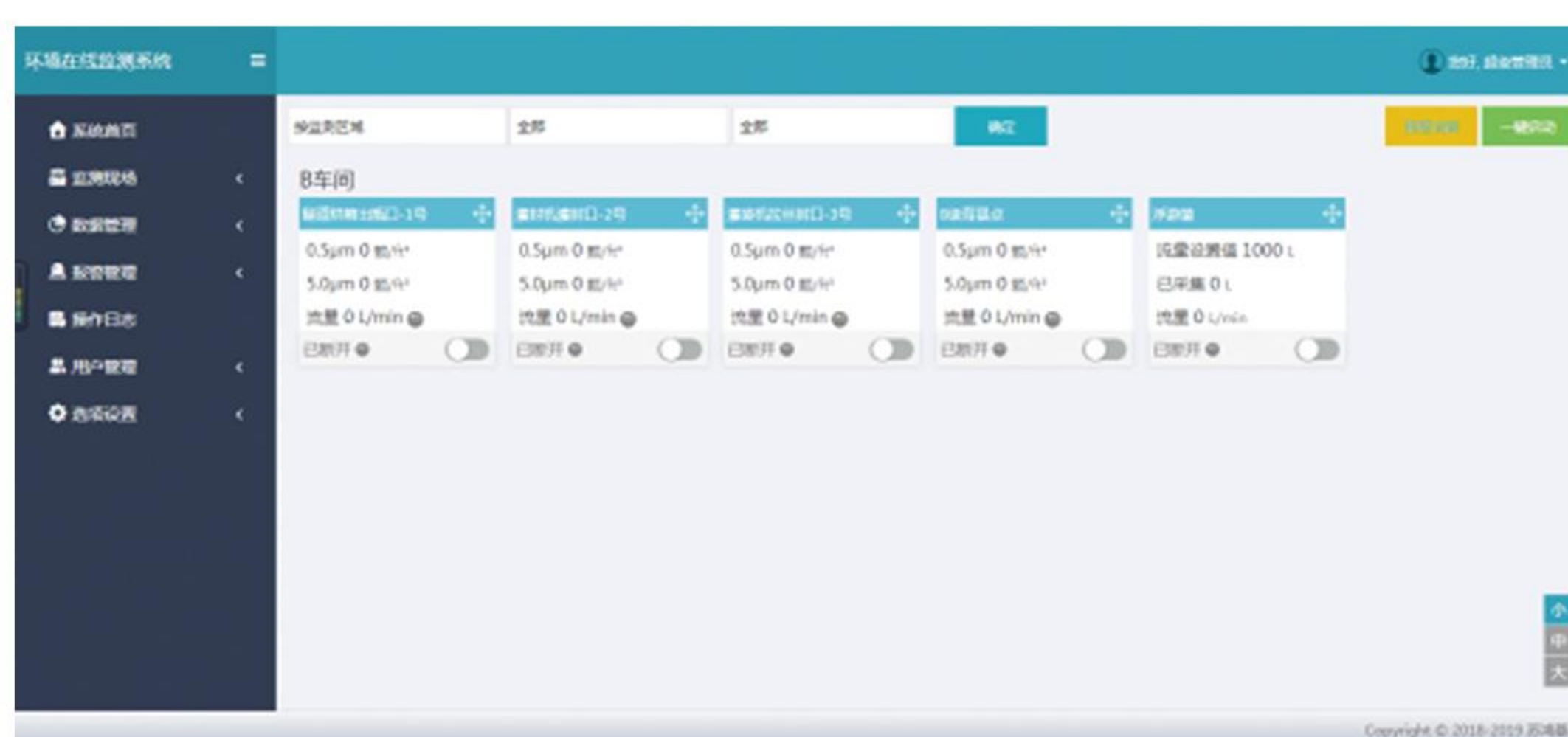
ONLINE DETECTION SYSTEM SOFTWARE:

1. Open architecture.
2. Modular and extensible.
3. Real-time data display, including graphics, tables, data status and plan views.
4. Historical data query.
5. Unlimited data storage capacity.
6. Various data output.
7. Automatic alarm.
8. Automatic report generation.
9. System security login.
10. Comply with the relevant requirements for electronic signatures in CFR 211 PART 11.



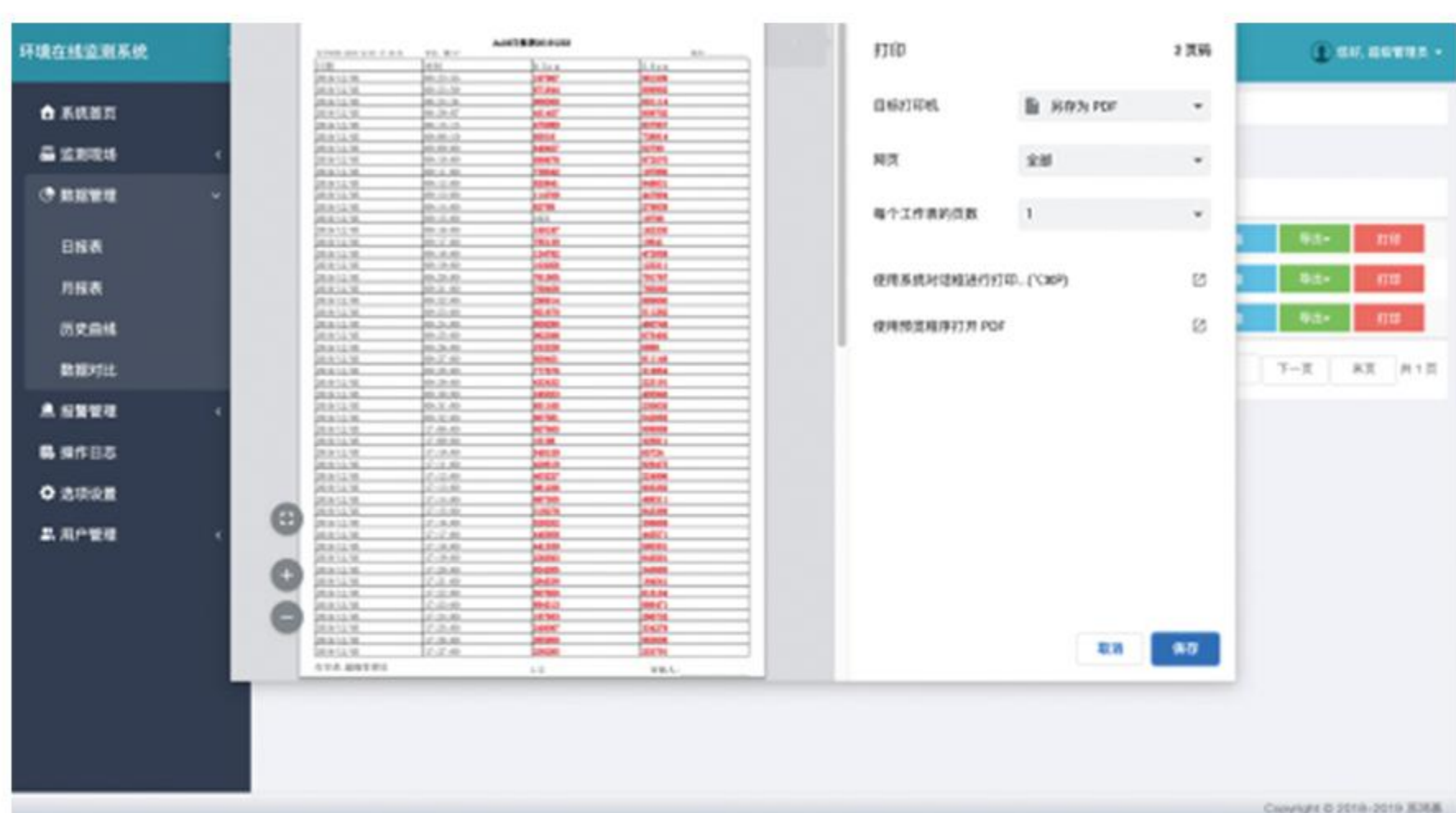
软件主界面 (平面布局图)

The main interface of the software (layout plan)



软件主界面 (点位信息)

The main interface of the software (point information)



数据报表界面

Data report interface



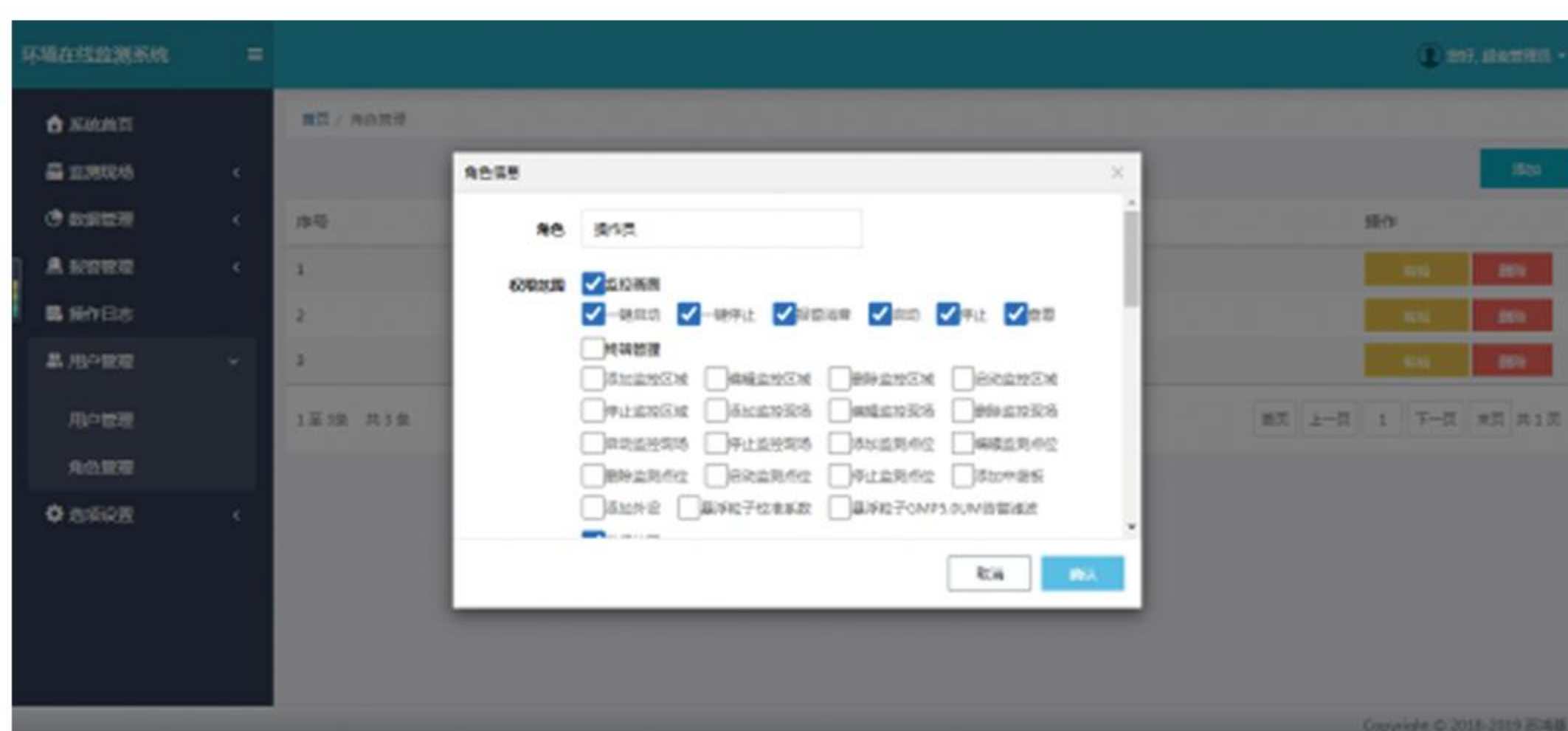
数据图表界面

Data chart interface



多点位数据对比分析图

Multi-point data comparison and analysis chart



用户权限分配界面

User permission assignment interface

悬浮粒子浮游菌在线监测系统

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客户案例: CUSTOMER CASES :

