

Atmospheric Monitoring Station GRI-IAT



Main Features

Implement multi-parameter automatic monitoring, and anti-jamming technology design.
 High precision, reliable performances for outdoor and industrial environments to achieve various parameters, automatic upload network platform, automatically publish data.
 Integrated GPRS communication technology, real-time monitoring of atmospheric environment data, real-time transmission of data, real-time monitoring equipment operating status
 Small size, modular design, grid flexible layout
 Integrated temperature compensation technology, long-term automatic calibration technology
 32-bit high-speed processing core chip
 Global positioning system, real-time tracking device

Application Areas

Industrial park, urban environmental monitoring, municipal environmental monitoring, mobile environmental monitoring, traffic pollution environmental monitoring, residential / school / hospital air quality environmental monitoring, park / forest environmental monitoring

Product Description

GRI-IAT is our new air quality online multi-parameter monitoring system, the main monitoring gas type include: PM2.5, PM10, CO, SO2, NO2, O3, TVOC, temperature, humidity and so on. GRI-IAT can be used in a variety of environments, industrial production environment monitoring, tunnel traffic environment monitoring, and urban environmental monitoring. The atmospheric environmental data monitoring and analysis system can improve the processing and management of air pollution monitoring data, and provide decision-making basis for environmental planning and environmental assessment.

Test Parameter Table

| Parameter | Range | Unit | Precision | Resolution | Configuration | Life-time |
|-------------|--------|-------|-----------|------------|---------------|-----------|
| PM2.5 | 0-1000 | ug/m3 | 5% | 1ug/m3 | Standard | 2 |
| PM10 | 0-2000 | ug/m3 | 5% | 1ug/m3 | Standard | 2 |
| CO | 0-50 | ppm | 1% | 0.02ppm | Standard | 2 |
| SO2 | 0-500 | ppb | 1% | 3ppb | Standard | 2 |
| NO2 | 0-500 | ppb | 1% | 3ppb | Standard | 2 |
| O3 | 0-500 | ppb | 1% | 3ppb | Standard | 2 |
| Temperature | -20-60 | °C | 2% | 0.1°C | Standard | 2 |
| Humidity | 0-100 | %RH | 0.3% | 1% | Standard | 2 |
| VOC | 0-20 | ppm | 1% | 20ppb | Optional | 2 |

Application scenarios



Park



Industry zone



Urban traffic



Hospital



School

Technical Parameter

Test Type: PM2.5, PM10, CO, SO2, NO2, O3, TVOC, temperature, humidity

Theory: CO, SO2, NO2, O3: Elect-chemical PM2.5,PM10: Laser TVOC: PID

Sensor Life: 2 Year

Linearity Error: $\leq \pm 2\%$

Zero Drift: $\pm 2\%$

Power Supply: 12V (Supporting system adopt solar rechargeable batteries)

Output Signal: GPRS(Standard), RS485(Optional)

Interval Time of Each Data Output: 60s

Response Time: 30s

Temperature: -20-60 °C

Humidity:5-90%RH

Install Type: Hanging, Lifting

Shell material: Aluminum

Protection Class : IP65, TVS 8000V Anti-Lightning & Anti-surge protection

Size: 200*200*180mm (W H D)

Weight: 5kg



Adopting high-speed processor



Global GPS positioning



Wireless communication



Real-time release the monitoring data



+86-731-88860558

Hunan GRI Instrument Co.,Ltd

Floor 5, Building 5 of Xingong International Industrial Park, Luyun Road, Yuelu District, Changsha, Hunan, China

Email: f-sale@cngri.com

Web: cngri.en.alibaba.com

© 2018 Premiere, All rights reserved. Hunan GRI Instrument.