



CHINA SENSOR

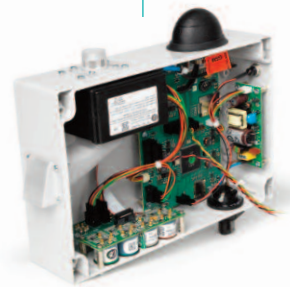
中国传感器 - 原装正品, 现货直供

远程空气质量监控器

AS510



Full and effective
Remote regional
air quality monitoring



AS510

Remote air monitoring system

A single component based on a powerful 32-bit floating-point ARM microcontroller designed for comprehensive analysis of local air quality.

This component incorporates four integrated sensors: an NDIR CO2 sensor, a laser particle monitor, temperature and relative humidity sensors, along with GPS for precise positioning and timestamping. Users can optionally install a microphone to capture ambient noise. All collected data is stored locally before being transmitted to the central management station.

parameter

- The Alphasense A4 is a precise electrochemical sensor. **Communication links to the remote database are made via GPRS.** Monitoring of CO, NO, NO2 and O3 down to ppb levels. Other gases such as SO2 can be measured if required
 - Digital NDIR sensor (atmospheric sensor / Alphasense or SenseAir)
 - Laser photoelectric particle counter (Alphasense) provides PM1, PM2.5 and PM10 measurements
 - PID sensor for monitoring volatile organic compounds (VOCs) (Alphasense)
 - Temperature and relative humidity sensor (Atmospheric sensor)
 - High sensitivity GPS module, can be used in the interior **of buildings** to visually indicate the status of LED components and perform time measurement
 - A microphone for recording ambient sound, based on RMS level detector hardware
 - It can sample data at high speed. Under normal circumstances, the average rate is more than 20 seconds, and the data transmission is once every 15 minutes. It can be set to meet various application requirements
- It includes the capability to "store and forward" data promptly during network disconnections or temporary overloads. This component requires data-enabled SIM card services, atmospheric sensors, and other providers to enable such functionality.
 - The 16GB SD card stores the test expansion results for later recovery locally and can be used as backup results sent through GPRS link
 - City power supply, waterproof connector
 - This component can be used indoors or outdoors if protected with a louvered box or similar enclosure. Each component comes with a wall-mounted bracket for easy installation



257Wx105D (wall-mounted) x210D-
Main power cord extends beyond
component height. Weight: 107g

Maximum 10W electrical load.

深圳市杰晟兴电子有限公司 JM Components Limited

地址：深圳市福田区中航路7号鼎诚国际大厦南座2007室

手机：13662266995 马少良 电话：0755-83951311

官网：cn-sensor.com

邮编：518031

传真：0755-83952401

电邮：jackson@jmcomponents.com