



Address: unit 01, 30 Surprise Road, Maxmead, Pinetown, Durban, KZN, SA, 3610

SCAD-200 Portable Air Quality Monitor



Description

The SCAD-200 air quality detection station can monitor PM2.5, PM10, NO₂, SO₂, CO, O₃, temperature, humidity, etc. data in the atmospheric environment, and the collected data can be displayed on screen of the portable computer in real time for on-site personnel's reference, and uploaded to the system cloud platform at the same time. The platform conducts big data analysis based on the data collected at each point, analyze the change pattern of air quality changes, and provides strong data support for macro environmental control policies.

Features

Easy to carry

Battery powered wireless data transfer

Low price

Cloud service for big data computing

High real-time detection

High detection accuracy

Real-time data push is convenient

High protection level to meet the needs of outdoor environment

The cloud processing technology used in the background, the platform collects a large amount of data for comprehensive analysis.

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"Efficiency on time, every time"



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Application

Construction sector

Dust detection in construction or blasting places; construction site, construction site dust exposure monitoring

Production site

Determination of pollution at the production site of industrial and mining enterprises , monitoring of toxic and harmful gases and fixed pollutants at exhaust outlets

Environmental protection

environmental protection monitoring center detects airborne dust and airborne dust, and investigates pollution sources, etc.

Specifications

Monitoring parameters	PM _{2.5} , PM ₁₀ , SO ₂ , NO ₂ , CO , O ₃ , temperature, humidity, wind, wind direction ; ammonia, hydrogen sulfide, chlorine, benzene, noise (optional)
Time resolution	3min /time
Power supply	Powered by rechargeable 3.7V lithium battery pack
Working environment	Temp:-30~70°C , 10%< RH<95%, no condensation
Communication method	wireless
Battery	Solar Panel & lithium battery
Operating hours	Continuous work ≥300h (20°C)
Storage environment	- 20 °C - 60 °C , RH < 95%
Data transmission	Wireless transmission standard is 4G; optional is LoRa
Sensor life	2 years

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