

Portable Weather Station

Model ES-W4006



Main features

- Fully automatic measurement, integrated design, light weight, easy to carry
- PM2.5, PM10, TSP, CO, SO₂, NO₂, O₃ etc. can be detected, with high detection accuracy and repeatability
- With high-precision sensor and long-life negative pressure sampling pump
- Equipped with a detection interface with one minute of warm-up
- Touch type 7-inch LED full color screen
- Ultra-low power consumption design, up to 8 h
- Built in 8G large capacity storage space, which can be exported in excel through SD card reader
- Equipped with Bluetooth printer
- With front-end collection and pre filtering device

Introduction

ES-W4006 Portable Mini Air Quality Monitor is a newly launched product by our company to provide supporting equipment for environmental protection departments and related engineering projects. ES-W4006 detecting air pollutants, provides relevant data and data comparison, and capable of giving alarm. It can detect SO₂, NO_x, PM_{2.5}, PM₁₀, meteorological data (Temperature, Humidity, Air Pressure, Wind Speed, Wind Direction), environmental Noise. Combined with wireless communication technology to achieve real-time data monitoring, providing effective real-time data to the professionals.

The equipment can display the real-time value of the monitored indicators. The particulate detection adopts the laser scattering method, and other gas detection adopts the electrochemical method. It can store monitoring data for no less than 30 days without interference. There is a USB interface on the instrument, the collected data can be transferred by it.

Typical structure



Specification

ITEMS	Parameters
Portable Main Kit	Battery powered, signal processing, GPRS transmit Portable,small
Particulate Sensor	Principle: light scattering principle Resolution: 0.1ug/m ³ Channel : PM2.5,PM10 (selective) Measuring range : O ~10mg/m ³ ,0-30mg/m ³
Gas Sensor	NO ₂ Measuring Method : electro chemical Measuring range: 0-20ppm Precision:±10 Resolution: 0.01ppm
	SO ₂ Measuring Method : electro chemical Measuring range: 0-20ppm Precision:±10 Resolution: 0.01ppm
	O ₃ Measuring Method : electro chemical Measuring range: 0-20ppm Precision:±10 Resolution: 0.01ppm
	CO Measuring Method : electro chemical Measuring range: 0-200ppm Precision:±10 Resolution: 0.1ppm
Meteorological data	Temperature: Range:-40~120 C, Precision:±0.3 C, Resolution:0.1 C
	Humidity :Range:0~100% RH, Precision:2%RH, Resolution:0.1% RH
	Wind speed:Range:0~60m/s, Precision:V0.3m/s, Resolution:0.1m/s
	Wind direction: Range :0~360°, Precision:±3°, Resolution:0.1°
	Air pressure :Range :200~1300hpa, Precision: ±2%, Resolution: 1hpa
Power consumption	20W
Power supply	Storage battery power supply
Charging voltage	5V
Product material	Shell is plastic waterproof
Size	Main body box size: 415*340*174mm Main body weight: 8kg