



High precision portable pm2.5 detector



CW-HAT200 (S) handheld PM2.5 detector is a

special detection instrument for measuring PM2.5 (particulate matter that can enter the lung) and PM10 (particulate matter that can be inhaled) in the air. It is based on the international advanced high sensitivity micro laser sensor technology development, and it is a high-tech product integrating aerodynamics, digital signal processing and opto-mechatronics. The instrument has the characteristics of high precision, stable performance, strong functionality, simple operation and large capacity data storage.

CW-HAT200 (S) handheld PM2.5 detector can be widely applied to the determination of public environment and atmospheric environment, and also used for the evaluation and analysis of the purification efficiency of air purifiers. It has up to 500 sets of measurement data storage, which can be high-speed download through USB interface.

Application domain

- 1. Indoor air detection**
- 2. Outdoor atmospheric environment measurement**
- 3. Purification effect analysis of air purifier**



Main features

1. Real-time dust concentration, numerical display
2. Innovative electronic cutting technology
3. High accuracy of light scattering principle test
4. Quick response test
5. Easy operation and no maintenance
6. High efficiency and large capacity lithium battery power supply
7. Usb interface can be downloaded at high speed
8. Intelligent identification automatic shutdown, power saving

Test object	PM2.5 (range 0~2000ug/m ³) PM10 (range 0~4000ug/m ³)
Sampling principle	Light scattering
Light source	Laser diode
Consistency	≤20%
accuracy	≥±80%
Resolution	0.001mg
Concentration unit	ug/m ³
Sampling time	60S
Data Storage capacity	500 events
port	USB
Maximum communication rate	12Mbps
power supply	Chargeable lithium battery (7.4V/1200mAh) ,AC adapter (Input: AC100~ 240V, Output DC 9V/1.5A)
working time	Work more than 3 hours without interruption
dimension	93 (W) × 46 (D) × 180 (H) mm
weight	About 600g (including battery)
conditions	Working condition: -10~45°C, < 90%RH storage condition: -20~60°C, < 90%RH
Standard attachment	Ac adapter, temperature and humidity sensor, usb cable, manual, suitcase