Description:

OC-300 air quality detector used to detect the air quality for the 4 particle channels: 0.5um, 1.0um, 2.5um and 10um, with two detection mode: Quality inspection (unit of the ug/m3) and Quantity inspection (unit of the PC/L) Also, with the Temperature and Humidity measurement, optional function of the gas concentration detection, it can add 3 sensors. for gas detection. It is with the data logger function to record the historic inspection data.

Applications:

The Portable air quality detector can be widely used in the disease control centre, health. supervision, environmental monitoring, public area, family and other environment were need to detect the air quality detection.

Features:

Semiconductor technology of ultra-low power 32-bit microprocessor, 24-bit ADC acquisition chip, so with the high accuracy.
3.5-inch IPS industrial grade colour screen, displaying each parameter.
Channel sizes : 0.5um, 1.0um, 2.5um, 10um.
Support the Temperature/ Humidity sensor.
Different mode adjustable: quantity detecting mode and quality detecting mode.
Data logger function, the capacity is 100000 group data.
Optional function of micro printer to print the measurement data.
With the function of overvoltage protection, overcharge protection, short circuit protection.

Technical Parameter:

Light source	Laser diode(>100,000 hours MTBF)
Sensor	Ultra high sensitivity optical sensor
Particle size	0.5um 、 1.0um、 2.5um、 10um
Measuring range	0-9999ug/m3 and 0-99999999PC/L
Resolution	1ug/m3 and 1PC/L
Gas detection	With 1~3 gas type(Optional)
Tem/Humidity inspection	Temperature：-40 ～ 120℃， Humidity：0-100%RH
Verification standard	According to GB/T16292-1996 and ISO14644-1
Flow Rate	2.83 L /min (0.1cfm)
Sample time	30s
Measuring mode	Quantity mode (unit of PC/L) and quality mode(unit of ug/m3)
Detect methods	Time detecting or circle detection is adjustable
Interface	RS232-USB
Data Storage function	Real-time storage or timing storage is adjustable； Storage capacity of 100000 group data，can check the history data on the counter screen
Print mode	Optional micro-printer, can reset the print period and print mode
Working environment	Working temperature: 5 ～ 45℃ Working humidity: ≤90%RH，non-condensing
Power supply	4000mA rechargeable lithium battery
Explosion-Proof grade	Exia II CT4
Protection grade	IP65
Body material	ABS+PC
Size and Weight	220*85*55 mm （L×W×H）, 0.5 Kg （net weight）
Accessory	Box, data cable, Charger, CD