

[Features]

- Displays each target gas at pres./average conc. and also temperature/relative humidity/AQI index/date/time at once time
- Auto temperature compensation
- Self-detecting capability, abnormal indicator and alarm system
- Includes relay and 4-20mA PID Control
- Device provided 5-level calibration capability
- USB recorder · Ethernet · Wi-Fi available and infrared remote controller (optional)
- Historical and trend charts, data download from USB via web browsing
- Dual power supply, available for wall mounting and portable power pack
- Suction-type sampling.
- 7 sensors built in one unit (CO₂/CO/PM2.5/HCHO/Temp/RH/TVOC)
- Expandable to 9 sensors in one unit (CO₂/CO/PM2.5/HCHO/Temp/RH/TVOC/O₃/PM10)
- Software upgraded globally in time
- Portable suitcase and tripod keyhole available



[Applications] IAQ public area, office, station, airport, museum, hospital, house, inspection areas, environment on-site detection

[Optional Code] IAQ-S - Code1 - Code2 - Code3

Code1	Sensors (multiple choice)	Code2	Website	Code3	Carrying case
P2	PM2.5	N	None	N	None
P1	PM10				
C	CO				
V	TVOC	E	Ethernet		
H	HCHO	W	Wi-Fi	1	Have
O	O ₃				
CTR1	NDIR CO ₂ /Temp/RH				
TR	Temp/RH				

[Specifications]

Power	Portable: with 5V Micro USB (cable available, excluding power bank), power consumption 2W Wall mounting: 9-36VDC (w./ 24VDC power supplier 100-240VAC, 50/60HZ., 1A)	
Measuring principle	Electrochemical type: CO/HCHO NDIR type: CO ₂ (CTR1) Light scattering type: PM2.5/PM10 Metal oxide semiconductor type: TVOC/CO ₂ /O ₃ Band-gap/capacitive sensor: Temperature/RH	
Environment	0~50°C · 0%~95%(non-condensing)	
Alarm output	Relay output	1 point
	Relay capacity	24VDC≤1A
Communication	Ethernet	RJ-45
	Interface	RS-485
	Protocol	Modbus RTU · Modbus TCP · Web Service 及 Modbus Inverse
Signal output	4-20mA (AO, PID or control manually)	
Display Panel	Display	LCD monitor 73mm*44mm in 3 colors
	Mode	AQI 6-level display in name, detector value, unit, data of Pres. and Avg.
	Range	0~9999
Physical conditions	Dimension(mm)	163x147.5x38.2 (W x H x D)
	Weight	≤1Kg
	Installation	Wall mounting /portable
Housing	Material	Stainless Steel
Record (Optional)	USB recorder · upto 64 GB max.	
Certificate	FCC PART 15 B AND CISPR 22 Class B , EN55022:2010:Class B	
Patent	R.O.C. Patent No. M490090 · China Patent No. ZL201420395618.8 R.O.C. Patent No. M474956 · China Patent No. ZL201420150234.X	

Sensors	Range	T ₉₀	Operating temperature	Resolution	Accuracy	Warm-up time
PM2.5	0~600µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³	±10µg/ m ³ ±5% of Reading	5min
PM10	0~800µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³	±10µg/ m ³ ±5% of Reading	5min
CO	0~100ppm	<180 S	0°C~50°C	1ppm	±5ppm	10min
TVOC	0~10/100ppm	<90 S	0°C~40°C	0.01ppm	±10%	10min
HCHO	0.01~2.00ppm	<120 S	-10°C~50°C	0.01ppm	≤±0.02ppm±2% of Reading	10min
O ₃	0.01~2.00ppm	<120 S	0°C~40°C	0.01ppm	±10%	10min
Temp	-40~100°C	<60 S	-20~60°C	0.1°C	±0.4°C	10min
RH	0~100%	<60 S	-20~60°C	0.1% RH	±3% RH	10min
CO ₂ -1 NDIR	0~10,000ppm	<120 S	0~50°C	1ppm	±70ppm ±3% of Reading	10sec
PID20	0~20ppm	≤5S	-10~60°C	5ppb	±2%	≤60S
PID100	0~100ppm	≤5S	-10~60°C	25ppb	±2%	≤60S