[Features]
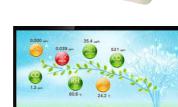
- Simultaneously, it displays of target gas real-time value/average value and temperature/humidity value/AQI indicator/date/time.
- With automatic temperature compensation and five-stage calibration function.
- With functions of self-testing, anomalous indication, and alarm.
- With control relay that using optronics relay (non-traditional relay).
- With USB flash drive, ethernet and Wi-Fi(optional).
- The webpage downloads tendency chart in 60 seconds, and it downloads data record in 30 seconds.
- With dual power supply function, it can be used as wall-mounted and portable.
- Suction-type sampling.
- 7 sensors built in one unit (Temp/RH/CO_2/ PM2.5/ HCHO/ CO/ TVOC).
- 9 sensors built in one unit (Temp/RH/CO_2/ PM2.5/ HCHO/ CO/ TVOC /O_3/PM10).
- Software upgraded globally in time
- With universal type of tripod keyhole.
- The intel lithium battery is able to patrol inspect and record the name of the place in Chinese.
- Ethernet and WIFI can be used in the meantime./ The side edge can be directly connected to the ethernet cable.

The data can be directly displayed on the network LCD.

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

[Optional Code]

IAQS — Code 1 — Code2 — Code 3

Code 1	Sensors (multiple choice)	Code 2	Interrnet	Code 3	Case
TR	Temp / RH	N	Ethernet	N	Carton
CO2	CO_2				
CTR	CO_2 / Temp / RH				
P2	PM2.5				
H	HCHO				
CO	CO				
V	TVOC	W	Ethernet + WiFi	1	Carrying case
O3	O3				
P1	PM10				
PID100	Photoionization TVOC				
7	Seven-in -one (V- Semiconductor)				
9	Nine-in -one				

[Specifications]

Power	Adapter	◆AC input：100～240V(50/60Hz) ◆DC output：24V maximum 1A current
	Equipment	◆DC input：24～36V or 5V ◆Power consumption：5.2 W
Environment	0~50℃，0%~95%(non-condensing)	
Alarm output	Relay output	1 point
	Contact current	1A/ Contact withstand voltage ：24VDC/ Relay is required for high load .
Communication	Ethernet	RJ-45 /Wi-Fi (optional)
	Interface	RS-485
	Protocol	Modbus RTU、Modbus TCP、Web Service and Modbus Inverse
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	USB recorder，up to 64 GB max.	
Certificate	FCC PART 15 B AND CISPR 22 Class B，EN55022:2010:Class B，EN61326-1:2006 IEC61000-4-2:2008，IEC61000-4-3:2006+A1:2007+A2:2010	
Patent	R.O.C. Patent No. M490090 / R.O.C. Patent No. M474956 / R.O.C. Patent No. M455143 China Patent No. 3110165 / China Patent No. 2514208 / China Patent No. 3968253	

Sensors Principle	Range	T90	Operating temperature	Resolution	Accuracy	Environmental equilibrium time
Temp (Resistance)	-40~125℃	<60 S	-20~60℃	0.1℃	±0.4℃	10min
RH (Capacitive)	0~100%	<60 S	-20~60℃	0.1%	±3%	10min
CO_2 (Infrared)	0~10,000ppm	<120 S	0~50℃	1ppm	±30ppm ±3% of Reading	10sec
PM2.5 (Laser)	0~1,000μg / m^3	<90 S	-10℃~65℃	0.1 μg/ m^3	±10μg/ m^3±5% of Reading	5min
HCHO (Electrochemical)	0.01~2.00ppm	<120 S	-10℃~50℃	0.01ppm	≦±0.02ppm±2% of Reading	10min
CO (Electrochemical)	0~100ppm	<180 S	0℃~50℃	0.1ppm	±5ppm	10min
TVOC (Semiconductor)	0~300ppm	<90 S	0℃~40℃	0.01ppm	±10%	10min
O_3 (Semiconductor)	0.01~2.00ppm	<120 S	0℃~40℃	0.01ppm	±10%	10min
PM10 (algorithm)	0~1,200μg / m^3	<90 S	-10℃~65℃	0.1 μg/ m^3	±10μg/ m^3±5% of Reading	5min
PID100 (Photoionization)	0-100ppm	≦5S	-10~60℃	25ppb	±2% (reproducibility)	≦60 sec