

# ENVIRONMENTAL METER

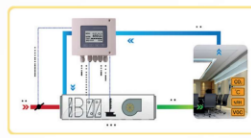
## CO2 Indoor Air Quality Monitor VAT810 / VAT820 / VAT840 / VAT930

VAT810

VAT820

VAT840

VAT930



This device is the reaction of indoor air quality by detecting indoor carbon dioxide concentrations, and by which control the room ventilation to improve indoor air quality. This product can be effectively improved indoor air quality by controlling the indoor fresh air, and reduce the heat loss caused due to excessive fresh air, play the role of energy-saving air-conditioning system. The concentration of carbon dioxide can be set by the customer, and default 900ppm

### Specifications

	VAT810	VAT820	VAT840	VAT930
Type	Desktop	Wallmount	Wall Embedded	Duct mount
Measuring range	Temperature: -20~50°C ±0.5°C	Temperature: -20~50°C ±0.5°C	Temperature: -20~50°C ±0.5°C	Temperature: -20~50°C ±0.5°C
	Humidity: 0~100% ±3%RH	Humidity: 0~100% ±3%RH	Humidity: 0~100% ±3%RH	Humidity: 0~100% ±3%RH
	CO2: 300~3000ppm ±(50ppm+3%)	CO2: 300~3000ppm ±(50ppm+3%)	CO2: 300~3000ppm ±(50ppm+5%)	CO2: 300~3000ppm ±(50ppm+3%)
Alarm	Sound and light alarm	Sound and light alarm	/	Sound and light alarm
Warm-up time	2 minutes; 2 hours(for first time)	2 minutes; 2 hours(for first time)	2 minutes; 2 hours(for first time)	2 minutes; 2 hours(for first time)
Sensor	Capacitive (Humidity); NDIR (CO2)	Capacitive (Humidity); NDIR (CO2)	Capacitive (Humidity); NDIR (CO2)	Capacitive (Humidity); NDIR (CO2)
Input power	5V DC	24DC/AC	24DC/AC	24DC/AC
Display	SEG LCD	Color TFTLCD	SEG LCD	Dot matrix LCD
USB interface	✓	✓	N/A	✓
Operating	Touch Keys	Touch Screen	Buttons	Touch Keys
Power consumption	1.5W	5W(Max.) / 3.5W(Average)	5W(Max.) / 3.5W(Average)	5W(Max.) / 3.5W(Average)
IP Rating	IP40	IP40	IP40	IP65
Size	125 x 85 x 30 mm	135 x 91 x 36 mm	117 x 90 x 60 mm	146 x 117 x 70 mm

### Features

- \* Used for monitoring indoor air quality, suitable for bedroom, office, conference rooms, theaters, public indoor places.
- \* Measure indoor carbon dioxide concentration, temperature, humidity, with digital output RS485 communication(MODBUS)
- \* Used in multi-monitor system in building automation

**Fastron**  
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