Visualize odors and CO_2 concentration and automatically control ventilation and deodorizing equipment

SMA-OVC-I

Ultimate IAQ compatible

Odor・CO_2 Dual Sensor・Controller

Measure indoor odor and CO_2 concentration

- Visualize indoor environment
- Achieve energy-saving by suppressing excessive ventilation
- Improve indoor environment

Odor detection

Body odor, Excrement odor, Perfume smell, Cigarette smell, Smell of alcohol, Cooking odor

Offices/Meeting rooms

Toilets/Restrooms

Hospitals/Nursing facilities

Visualize ozone and CO_2 concentration and automatically control ventilation and ozone generators

SMA-OVC-II

Ultimate IAQ compatible

Ozone CO_2 dual sensor controller

Measure indoor ozone and CO_2 concentration

- Visualize indoor environment
- Ventilate and sterilize with proper levels (measures against infectious diseases)
- Improve indoor environment

Related product: **OM-TS8P**
Ozone generator/
Ceiling embedded type

Hospitals/Nursing facilities

Restaurants

Commercial facilities/Event halls

C.H.C. SYSTEM CO.,LTD. ®

Marvel

CONTACT US **info@chcsys.net**

*Please feel free to contact us with any questions before purchasing.

Product HP

Planning, Designing ,and sales: C.H.C. SYSTEM TOKYO, JAPAN

Visualization of air

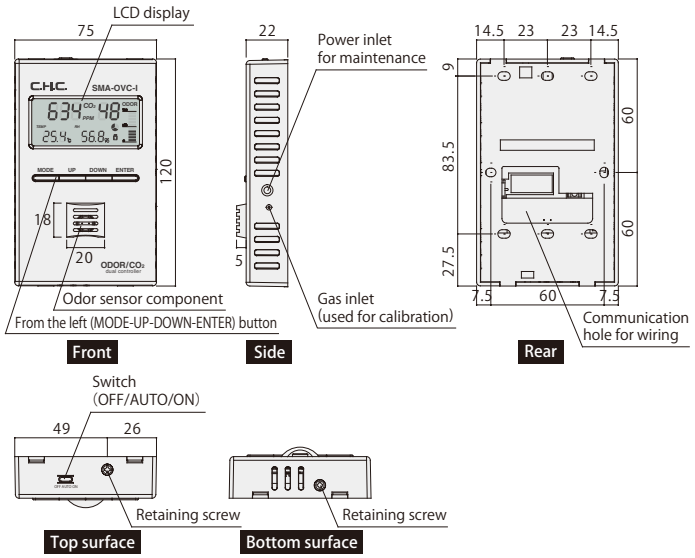
Compliant with Ministry of Economy, Trade and Industry
"Guidelines for Selection of Carbon Dioxide Concentration Measuring Instruments"

High-precision optical NDIR dual beam sensor, built-in CO_2 concentration correction (calibration) function

SMA-OVC-I Odor • CO_2 Dual Sensor • Controller

Manufacturer's recommended retail price on request

Body size (mm)



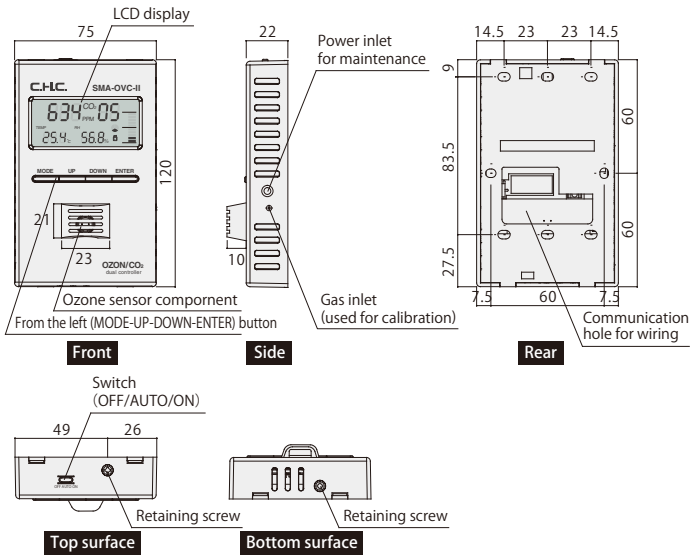
Specification table

Odor sensor	Measurement method	Metal oxide gas sensor
	Target gas	Odors such as cigarette, cooking odors, VOCs, and ammonia
	Measurement range	Converts odor intensity equivalent to 0-5 to odor value (proprietary standard) 0-99
CO_2 sensor	Measurement method	High-Precision optical NDIR (non-dispersive infrared absorption) dual beam Sensor
	Measurement range	0-5,000 ppm
	Accuracy	CO_2: Within ±75 ppm or ±5% larger value (0-3,000 ppm)
	Correction (calibration) function	Built-in
Relay output (selectable)	DUAL	Operates with either odor or CO_2 concentration
	CO_2	Operates with CO_2 concentration only
	ODOR	Operates with odor only
	EACH	Operates independently of odor and CO_2 concentration
Analog output	Odor	Odor value 0-99 ⇒ 4-20mA
	CO_2	CO_2 concentration 0-5,000 ppm ⇒ 4-20mA
Digital output	RS-485 Modbus RTU	
Usage conditions	Temperature: 0-50℃;Humidity: 95% or less. No condensation	
Power supply	AC ／ DC24V	
Product warranty period	1 year	

SMA-OVC-II Ozone • CO_2 Dual Sensor • Controller

Manufacturer's recommended retail price on request

Body size (mm)



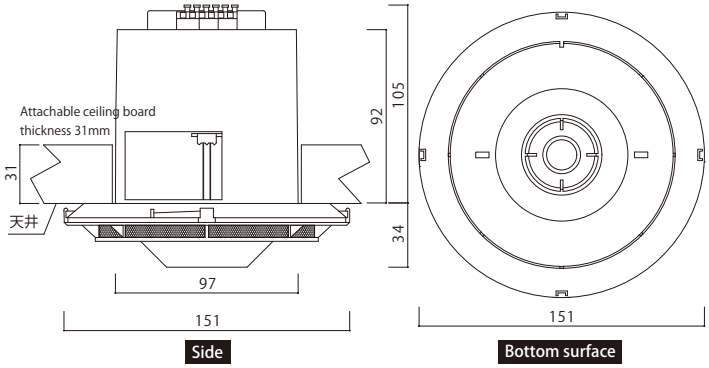
Specification table

Ozone sensor	Measurement method	Metal oxide gas sensor
	Target gas	Ozone gas
	Measurement range	0-0.50 ppm（displayed in 0.01 ppm steps）
CO_2 sensor	Measurement method	High-Precision optical NDIR (non-dispersive infrared absorption) dual beam Sensor
	Measurement range	0-5,000 ppm
	Accuracy	CO_2: Within ±75ppm or ±5% larger value (0-3,000 ppm)
	Correction (calibration) function	Built-in
Relay output	2 systems of relay 1/2 (equivalent to SMA-OVC-I)	
Analog output	4-20mA output is possible for each of ozone concentration and CO_2 concentration (equivalent to SMA-OVC-I)	
Digital output	RS-485 Modbus RTU	
Usage conditions	Temperature: 0-50℃;Humidity: 95% or less. No condensation	
Power supply	AC ／ DC24V	
Product warranty period	1 year	

OM-TS8P Ozone generator/Ceiling embedded type

Manufacturer's recommended retail price on request

Body size (mm)



Specification table

Amount of ozone generated	0-30 mg/h（Set with adjustment volume）
Air flow	80-120 L/min（Set with adjustment volume）
Power supply	AC100-200V 0.025A（MAX） 50/60 Hz
Power consumption	2.5W
Effective processing range	～40㎡ (when ceiling height is 2.5m)
Ambient conditions	Temperature: 0-40℃;Humidity: No condensation
Weight	450g (including cover)
Body external dimensions	Φ151mm×H139mm
Driving sound	21.6 dB

*The life varies depending on the specification space and maintenance conditions. Specifications and appearance are subject to change without permission.