

For optimal CO₂ concentration management in greenhouses!

World's first zero concentration difference CO₂ application compatible



**Automatic
two-phase
control**

CO₂ sensor controller

Manufacturer's recommended retail price **USD 535.00** (tax excluded)

8 Amazing functions

Ideal for operation and management of greenhouses, etc.
Enables effective CO₂ application!



Chiba University Kashiwa Campus
Mitsubishi Chemical Agri Dream plant factory

- 1 Automatic switching control between zero concentration difference CO₂ application and high concentration CO₂ application**
Control by only one CO₂ sensor
- 2 High precision NDIR sensor (non-dispersive infrared)**
- 3 CO₂ cylinder/combustion type CO₂ generator compatible**
- 4 Outside air CO₂ concentration measurement/fixation selectable**
- 5 Display in units of 1 ppm/Setting in units of 10 ppm**
- 6 Sunlight detection by photo sensor (sold separately).**
Management by a timer (optional) is also possible.
- 7 Pump unit (sold separately) can be used depending on usage conditions,**
number of units can be selected
- 8 Alert an emergency by flashing the display on the main unit.**
Alarm lamp (optional) can be installed.



**Photosensor
SA-S01**

Outer dimensions
W96mm×H50mm×D40mm

Manufacturer's recommended retail price

USD 36.00
(tax excluded)

CONTACT US

✉ info@chcsys.net

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

* Reception hours are from 9:00 a.m. to 5:00 p.m. JST(excluding weekends and holidays)

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

C.H.C.
C.H.C. SYSTEM CO., LTD.®
Marvel



Product HP

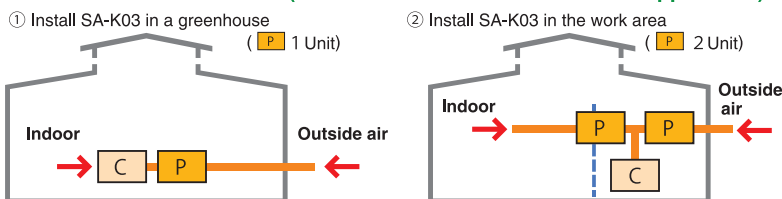
Specification

Measurement method	NDIR(non-dispersive infrared absorption) dual beam Sensor
Measurement range	0-3,000 ppm
Concentration display	Among 0-1,000 ppm by 1 ppm; among 1,001-2,000 ppm by 5 ppm; among 2,001-3,000 ppm by 10 ppm
Accuracy	Larger value of ± 75 ppm or $\pm 5\%$ for 0-2,000 ppm; $\pm 7\%$ for 2,000 ppm and above
LED display	Zero concentration difference CO ₂ application/ High-concentration CO ₂ application
LCD display	CO ₂ concentration (indoor/outdoor air)/CO ₂ valve (generator)
Setting	Switching interval: 1-15 minutes Proportional band: 20-200 ppm Safe value: 0-200 ppm When the skylight is closed: 300-2,000 ppm
Input	Open/close/activate the skylight
Output	Warning alarms, lamps, etc.
Measurement output	CO ₂ concentration/control amount (4-20mA)
Outline	W170mm×H126mm×D60mm Approx. 800g
Power supply	AC100-220V 0.3W
Recommended pump flow	0.1-0.5 L /min * By adjusting the opening and closing of the CO ₂ valve and the operation of the CO ₂ generator, CO ₂ is applied appropriately.

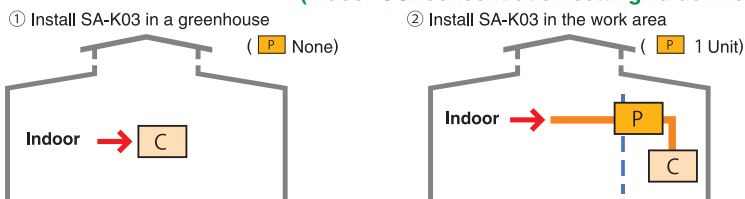
System example

C CO₂ controller **P** Pumping unit

1. Outside air CO₂ concentration measurement mode (zero concentration difference CO₂ application)



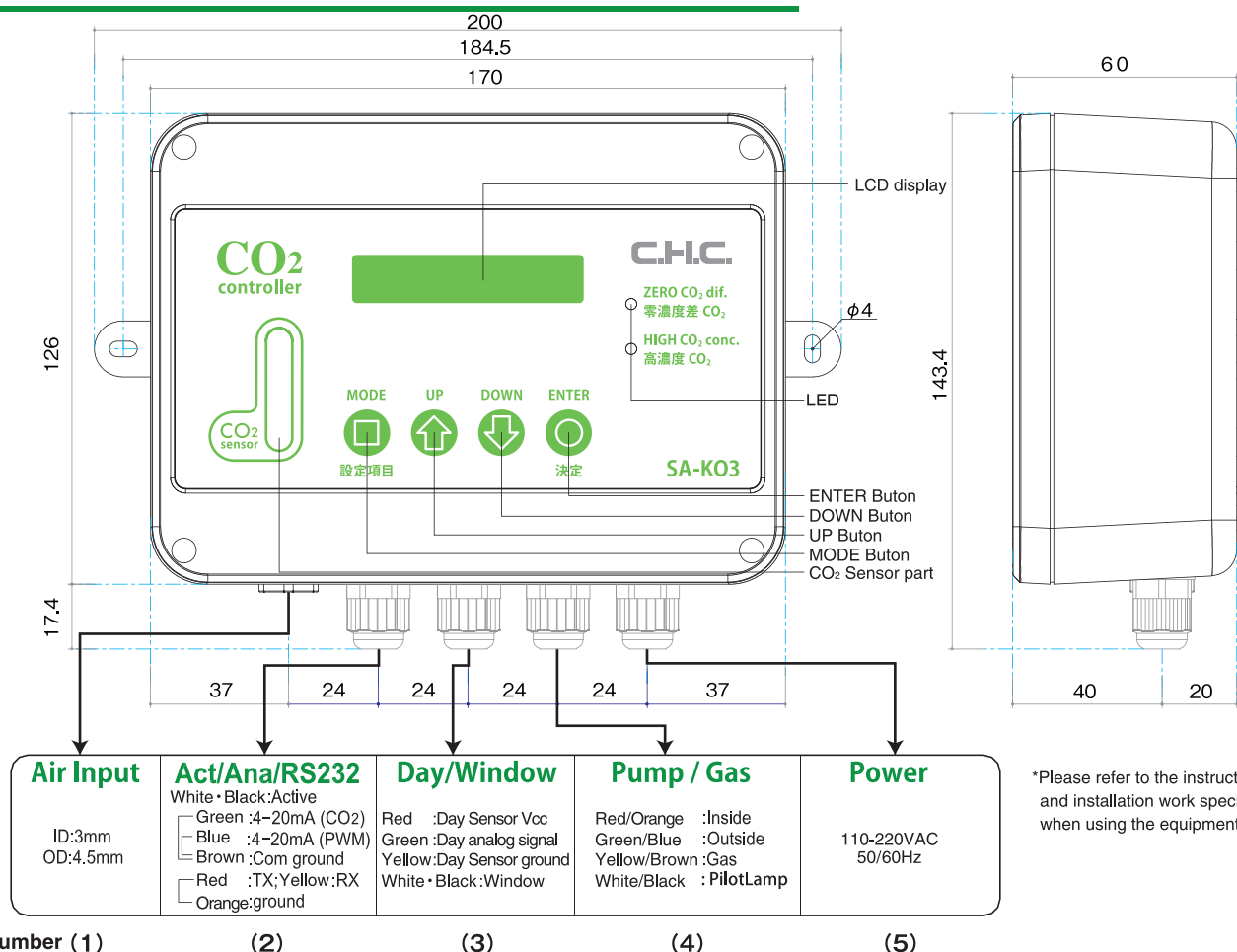
2. Outside air CO₂ concentration fixed mode (indoor CO₂ concentration setting value fixed)



OPTION

Pump unit (Option, sold separately) SA-P01
Manufacturer's recommended retail price
USD 355.00 (tax excluded)

Outline and name of each component (body) (unit = mm)



*Please refer to the instruction manual and installation work specifications when using the equipment.