

# CO<sub>2</sub> , Temperature, Humidity Control System Model : SH-MV250

## Features

- . **CO<sub>2</sub> control:** supply Co2 or ventilation FAN control
- . **Temp. control:** Heater or Cooler control
- . **Humidity control:** humidifier /dehumidifier
- . **Motor or Solenoid valve control**
- . **Control method** - ON/OFF control  
Proportional (selectable)
- . **Environmental control for many industrial and agricultural purpose.**

## Application

- . Wine cellar, distillery, Warehouse, Floricultural, Greenhouse for Paprika, Strawberry, Cucumber, Blueberry etc.

### - Proportional Control?

Control method that combination of advantage of automation and timer control method. Control gas or amount of ventilation evenly.



Most effective NDIR (Non Dispersive Infrared) dual Sensor inside which is world famous ,reliable method

## Feature of VT250

- . Available at 99% ↑ high humidity condition
- . Special unique filter prevent heavy humidity  
⇒ Reliable Accuracy: ± 2% ppm.
- . CO<sub>2</sub> , Temp., RH control at the same time
- . Equipped high performance CO<sub>2</sub> sensor developed by our self.
- . Mushroom Institute, Agricultural Institute, National Institute of Horticulture & Herbal Science have applied SH-MV250
- . Operating is simple and installation is easy.

Best Quality

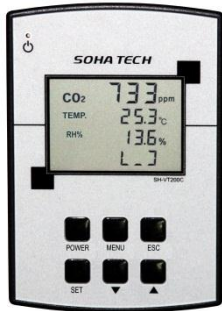


Equipped CO<sub>2</sub> Dual Sensor

# CO<sub>2</sub> Control System Model : SH-MV250

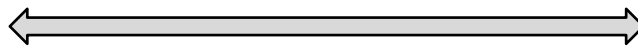
## Control

SH-VT200C



- Proportional
- Separation Control

RS-485 communication



CO<sub>2</sub> : Ventilation Fan or CO<sub>2</sub> generator

Temp. : Heater & Cooler

RH : Humidifier or Dehumidifier

SH-VT250



- Water drops don't effect on detection data due to our unique filter (Patent)

## Specification

### CO<sub>2</sub> Sensor

List	Contents	Remarks
Measuring Range	NDIR	
Measuring Range	0~3000/0~5000ppm/0~10000ppm	option
Accuracy	±2%	@10~50°C
Response time	0 ~ 80% < 30 sec	
Signal update term	Every 2.0 Seconds	
Warm-up Time	@25°C < 90 sec	
Working Temp	0 ~ 50°C	
Working Humidity	0 ~ 99.9% RH	

### Temperature Sensor

List	Contents	Remarks
Display Range	-19.9 ~ 99.9°C	
Accuracy	±0.5 °C	@25°C
Response time	10 ~ 120 sec	

### Humidity Sensor

List	Contents	Remarks
Measuring Range	0 ~ 99.9 %RH	
Accuracy	±4.5 %RH	
Response time	10 ~ 120 sec	

## Applications



Distillery



Wine cellar



Strawberry Farm



Floriculture



Oriental melon



Tomato