

# SM-2100

## CO2 Monitor

### Sensing Method

CO<sub>2</sub> : Dual Wavelength NDIR

Temperature : NTC

Humidity : Semiconductor

Our CO<sub>2</sub> gas sensors get a small deviation unlike NDIR Single type. So they keep long term stability.

### Excellent stability and accuracy

- through testing and calibration with sophisticated process and techniques

### Easy application to

- Indoor Air Quality management system
- Environment management system
- Indoor ventilation system
- Air conditioning system
- Securing devices of combustors

### Application

- Measuring indoor Air Quality

### Features

- Data storage & Downloading to PC
  - Up to 50,000 data
  - 16 times available
- PC link with USB 2.0
- Rechargeable battery
- Dot matrix graphic LCD

\* Detecting Temperature & Humidity is optional.

Contact us if you want to add technical functions or change specifications as you apply products to your product. Our engineers will support you.



### Technical Data

■ <b>Measurement</b>	Measuring range options	CO <sub>2</sub>	0~5,000ppm
		Temperature	0~60℃
		Humidity	0~95% RH
	Accuracy	CO <sub>2</sub> *	±(4%F.S+3%Reading)
		Temperature	0.4℃
		Humidity	±3%
Response time (τ <sub>63</sub> )	CO <sub>2</sub>	< 30 sec	
	Temperature, Humidity	< 10 sec	
	Measurement time interval	1.5 sec	
■ <b>General</b>	Warm up time	CO <sub>2</sub>	< 3 min
		Temperature, Humidity	< 30 sec
	Storage temperature	-40~70℃	
■ <b>Operating Conditions</b>	CO <sub>2</sub> , Humidity	Temperature	0~40℃
		Humidity	0~95%RH (Non-condensing)
	Temperature	Temperature	0~60℃
		Humidity	0~95%RH (Non-condensing)
■ <b>Electrical</b>	Power	Lithium polymer Rechargeable battery (3.7V, 1,100mAh)	
	Recharge	Over USB 1.1 or Included Power adapter (DC5V, 700mA)	
■ <b>Dimensions</b>	Length × Width × Height	320 mm × 80 mm × 40 mm	

\* Under conditions of calibration facilities of production factory, @25℃, intermediate value of detected ranges.

※ The recommended calibration interval is one year.

※ Specifications and images may change without prior notice.