

Digital Carbon Dioxide Concentration Meter Optical **NEW**

78977

- LCD screen changes color depending on concentration of CO₂ in air and also displays numerical values



● Parts are listed from p.274

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78977	with Correction Function	55×105×33	86	4 960910 789777	5	SP

Features

- Optical sensor that does not react to gases other than CO₂
- CO₂ concentration status for past 24 hours shown on graph



- CO₂ concentration, time, temperature, humidity, and CO₂ concentration graph can be displayed simultaneously
- Correction function that can correct measured value in event of operational concerns
- Stand device as is or hang on wall with hook hole
- Backlight function with 7 colors to choose from



Use

- For indoor ventilation guidelines in homes, offices, restaurants, etc.

Specifications

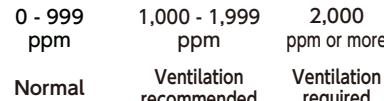
CO ₂ Concentration	Measuring Range	0 - 9,999 ppm
	Accuracy	0 - 3,000 ppm: ±100 ppm or ±7%, whichever is greater Over 3,000 ppm: ±10%
Temperature	Measuring Range	0 - 50°C
	Accuracy	±0.1°C
Humidity	Measuring Range	±1°C
	Accuracy	0 - 99%
Parts	Measuring Range	1%
	Accuracy*	20 - 80%: ±5% Other: ±10%
Use Environment	Measuring Interval	0 - 50°C, 0 - 95% (0 - 99% with no condensation)
	Power Source	2 sec (LCD screen interval: 30 sec)
Material	Material	USB DC 5V 300 mA or greater
	Accessory	Body: ABS resin
Accessory		

*At an operating temperature of 25°C.

Carbon Dioxide Sensor Optical **NEW**

78976

- Color changes depending on concentration of CO₂ in air



● Parts are listed from p.274

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78976	3-color Display with Correction Function	92×57×43	125	4 960910 789760	5	SP

Features

- Optical sensor that does not react to gases other than CO₂
- Buzzer sounds when display changes color



- Display brightness adjustable in 3 levels
- Correction function that can correct measured value in event of operational concerns
- Stand device as is or hang on wall with hook hole



Use

- For indoor ventilation guidelines in homes, offices, restaurants, etc.

Specifications

Use Environment	Temperature 0 - 50°C, Humidity 0 - 85%
Storage Requirement	Temperature -10 - 60°C, Humidity 0 - 85%
Display interval	30 sec
Power Source	USB DC 5V 300 mA or greater or 3 alkaline AAA batteries*
Material	Body: ABS resin
Accessory	USB(Type-A - micro Type-B) cable

*This product is capable of correcting measured values in the event of operational concerns. During the correction operation, it is necessary to acclimate the product to the air outdoors. In that case, please insert the battery and perform the correction operation. For normal measurement, we recommend using a USB power supply.

● Optical detection (designated by METI guidelines)

This method utilizes a specific wavelength of light absorbed by CO₂ molecules. It uses a mechanism in which the amount of infrared radiation from the light source inside the product to the sensor varies depending on the CO₂ concentration.

● Indoor ventilation standard

Japan's Ministry of Health, Labour, and Welfare has indicated that it is effective to check if the CO₂ concentration does not exceed 1,000 ppm as a standard for air

● Installation example



Hospitals Restaurants



Classrooms Living rooms Children's rooms