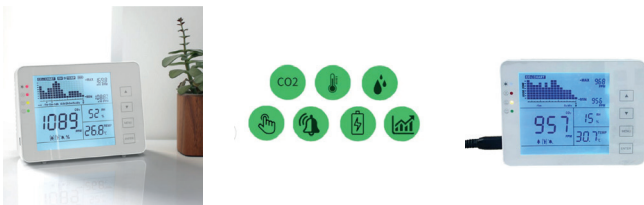


### KEY FEATURES

- Indoor air quality CO<sup>2</sup> monitor
- Tracks CO<sup>2</sup>, humidity & temperature
- Real-time simultaneous readings
- CO<sup>2</sup> range up to 5000ppm
- Easy to read trend chart
- Live Min/Max values
- Three level indoor quality system built-in
- Plant/Human mode featured
- Alarm/Mute mode also featured
- OEM and ODM welcome
- Customisable visual & audible alarms
- Various placement or mounting options
- Large bright LCD screen
- Quality touch buttons
- Charged via USB



### PRODUCT DESCRIPTION

The SA1200P Indoor Air Quality Carbon Dioxide Monitor produces real-time simultaneous readings of CO<sup>2</sup>, temperature and humidity levels. With a data logger built-in, this unit enables analysis of the aforementioned parameters in several specific timed intervals; by week, day, hour or minute. Capable of charting CO<sup>2</sup> concentration up to 5000ppm, the easy-to-understand user interface of the SA1200P utilises blocks to represent values, providing operators with a swift and simple visual indication.

With live time & date on-screen, the SA1200P Indoor Air Quality Monitor displays Min/Max values alongside an intuitive Trend Chart. Various modes are incorporated within this CO<sub>2</sub> monitor including a three-level indoor quality system indicating Good, Normal or Poor carbon dioxide concentrations. Plant/Human mode & Alarm/Mute modes are featured and OEM and ODM are welcomed. In addition, the audible and visual alarms of the SA1200P possess a customisable set point for matching specific user requirements.

The maintenance free NDIR CO<sup>2</sup> Sensor of the SA1200P Carbon Dioxide Monitor can be placed on a flat surface, mounted on a wall or pasted to a wall with a fixate gel pad. The large LCD screen and high-end touch buttons are easy to use, while the unit itself is powered via a USB power source.

## SPECIFICATION

### CO<sup>2</sup> Measurement

- Measurement Range: 0-5000ppm
- Display Resolution: 1ppm (0-1000); 5ppm (1000-2000); 10ppm (>2000)
- Accuracy at 0~3000ppm:  $\pm 50\text{pp} \pm 5\%$  of reading
- Accuracy over 3000ppm:  $\pm 7\%$  of the reading
- Repeatability: 20ppm at 400ppm (standard dev. of 10 readings in 1 minute)
- Temp Dependence:  $\pm 0.2\%$  of reading per °C or  $\pm 2\text{ppm}$  per °C, whichever is greater, referenced to 25°C
- Response Time: <2min for 63% of step change or <4.6min for 90% step change
- Warm-up Time: <20 sec

### Temperature Measurement

- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Display Resolution: 0.1°F (0.1°C)
- Response Time: <20min(63%)

### RH Measurement

- Range: 5-95%
- Accuracy:  $\pm 5\%$
- Resolution: 1% on Main Reading, 0.1% on Max Min Reading

### General

- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Storage Temperature: -4°F to 140°F (-20°C to 60°C)
- Operating & Storage RH: 0-95%, non-condensing
- Power Requirements: 160mA Peak, 40mA average at 5.0V
- Dimension: 120 x 90 x 35mm
- Weight: 170g (Device only, AC Adapter not included)

## KIT CONTAINS

- SA1200P Indoor Air Quality Carbon Dioxide Monitor
- User Manual
- USB cable

## EXAMPLE APPLICATIONS

- Home
- Office meeting room
- School classroom
- Auditorium
- Hospital
- Hotel
- Library
- Gym
- Brewery
- Laboratory
- Shopping centre
- Cafe
- Workshop
- Warehouse
- Greenhouse