

# AtmosAware - Sensedge



Delivered by:

**CRITICAL ENVIRONMENTAL  
SOLUTIONS**  
Energy • Air • Water

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## AtmosAware – Sensedge

### Air quality monitor made for healthy buildings

Know what is in your air, instantly and accurately: The Sensedge offers 24/7, real-time monitoring of your indoor air quality. Color-coded displays and indices of various pollutants allow for quick, at-a-glance readings.



### Optimize building operations

Maximize performance of your interior's filtration and HVAC system with easy-to-export air quality data. Compare and analyze historical data for healthier building management.

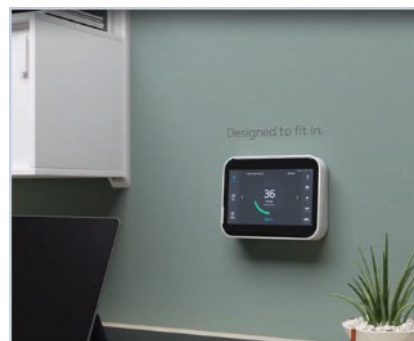


### Privacy is a priority

The Sensedge has been carefully designed to offer maximum security with:

- End-to-end encryption
- Industry standard SSL/TLS for transport security
- Cloud-based authentication
- Password-enabled ID

### Designed to fit anywhere



## AtmosAware Air Quality Reporting

# Gensler Weekly Report

2018/09/17 - 2018/09/23

We hope you had a good weekend! Here's a summary of what happened in your environment last week.

### Gensler at One Museum Place



6 Nodes

PM2.5	4.0 $\mu\text{g}/\text{m}^3$ Indoor avg.	Very Good Level	25.0 $\mu\text{g}/\text{m}^3$ Outdoor avg.	84.0 % Reduction
PM10	4.0 $\mu\text{g}/\text{m}^3$ Indoor avg.	Very Good Level		
TVOC	0.13 $\text{mg}/\text{m}^3$ Indoor avg.	Very Good Level		
CO2	546 ppm Indoor avg.	Very Good Level		

The outdoor station used as reference for this location is Jinganjiancezhan (静安监测站).

Data coverage is 52%. We have received 9922 out of 18900 data points possible.

# Technical Specifications <sup>1</sup>

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

### Sensor type

Non-dispersive infrared

### Accuracy

±5%

### Accuracy <sup>2 3</sup>

±3% ±50ppm

### Resolution

1%

### Resolution

1ppm

### Range <sup>4</sup>

400-2000ppm

## KM-100 Module <sup>8</sup>

### PM<sub>2.5</sub>

### Sensor Type

Light scattering (350nm)

### Precision <sup>9 10</sup>

±10% (<30µg/m<sup>3</sup>: ±3µg/m<sup>3</sup>)

### Resolution

1µg/m<sup>3</sup>

### Range

1-1000µg/m<sup>3</sup>

### Measurable particle size

0.3-2.5µm

## KM-102 Module <sup>5</sup>

### TVOC

### Sensor Type

MOS

### Precision <sup>6 7</sup>

±15%

### Resolution

1ppb

### Sensitivity

125ppb

### Connection

Wi-Fi (2.4Ghz), Ethernet

Support for hidden SSIDs, CaptivePortal and proxy servers

## Temperature

### Range

-20 - 100°C

### Accuracy

±1°C

### Resolution

1°C

### Data logging

8GB of on-board memory

(>50,000,000 data points)

>100 years at 1 minute interval

### External storage

Cloud-based, Micro-SD card, USB

### Log interval

1 minute, 1 hour, 1 day

## Relative Humidity

### Range

0-99%

### Screen

7" full colour touchscreen

### Battery

5200mAh (5 hours with screen powered on, 11 hours with screen powered off)

### Input voltage

DC - 5V

### Input current

1.8A

### Operational temperature <sup>11</sup>

0 - 50°C

### Storage temperature

-20 - 50°C

### Operational humidity

5 to 95% RH, non-condensing

### Physical size

184 x 146 x 48mm  
(7.2 x 5.7 x 1.9in.)

### Product weight

800g  
(1.76lb)

