



The image shows a white, square-shaped AirSuite Sense Wi-Fi (SSCM880) sensor unit. It has a small display screen on the right side and a cable extending from the bottom. The unit is surrounded by various teal icons representing different environmental factors: water droplets, a thermometer, a lightbulb, a fan, musical notes, a person, a gear, and a network of dots.

AirSuiteTM SSCM880 Sense Wi-Fi

What is it?

AirSuite Sense Wi-Fi (SSCM880)

is an Internet-connected indoor environmental monitor, originally designed to meet the needs of the New Zealand education sector.

Its high-speed Internet connection allows extremely high resolution data to be captured, with measurements transmitted to the Cloud up to every 10 seconds, ideal for scientific modelling and reporting.

Add-on sensors can optionally be included for detecting levels of carbon monoxide or particulate matter.

Installation

Mount the sensor in the desired location using the provided wall-mount kit, and connect to power using the provided micro-USB cable and power adapter. Use the AirSuite app for Android or iPhone/iPad to complete the setup.

A permanent install kit is also available for hard-wiring the sensor into the wall.

Data access

Environmental data is periodically pushed to the cloud platform over a secure TLS 1.2+ connection.

Data can be accessed through a variety of secure channels.

- AirSuite Monitor Portal provides fleet management, advanced data visualisations and analysis tools.
- Apps for Android & iOS provide to-the-second data retrieval and real-time alerting.
- APIs allow programmatic retrieval of datapoints.

In the box:

- Sensor unit (SSCM880)
- Micro-USB cable
- Cable management clips
- Power adapter
- Wall mounting kit
- Deployment Instructions

Specifications

Wi-Fi

2.4GHz, 802.11 b/g/n
WPA2/Mixed/Open

Real-time App Connectivity

BT Low Energy (BLE) v5.2

Dimensions & Weight

95mm x 95mm x 35mm, 115g
(150g with add-on sensor)

Operating Conditions

-40°C — 85°C, 0% — 100% R.H.

Storage Conditions

-20°C - 60°C

Power

5V DC Micro USB (1A)

Integrated 24hr rechargeable backup battery

Mounting

Standard wall-mount or optional hard-wired permanent install kit

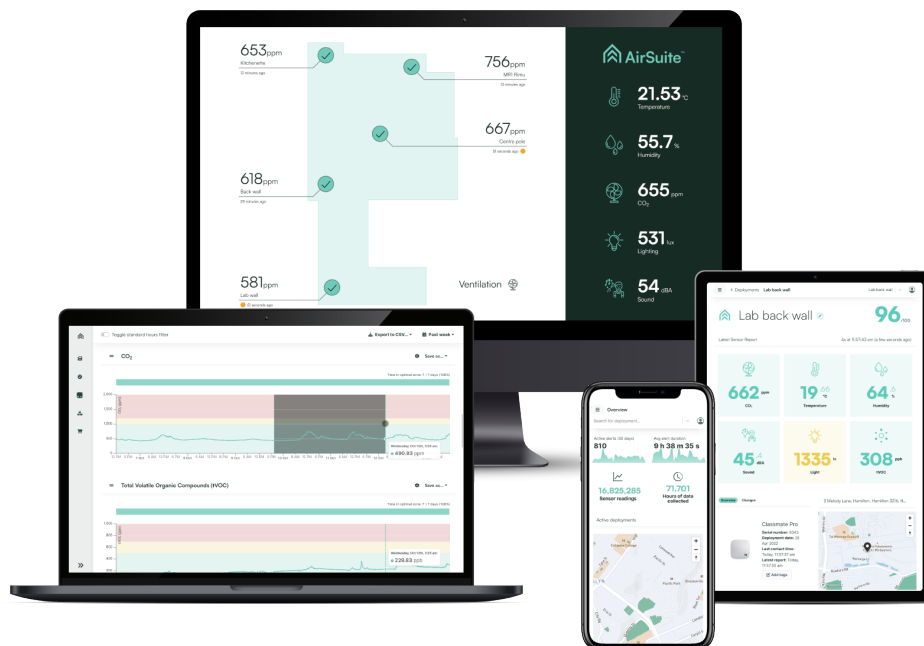
Memory

Over 24 hours of RAM retention

Reporting Interval

10 seconds (default)

Configurable from 10s to 6h



All of your organisation's AirSuite sensors can be managed from your computer, phone, tablet or even TV screen via the **AirSuite Monitor Portal**, which gives you access to fleet management, advanced visualisations, data export functionality and analysis tools.

Talk to us to book a demo.

Sensor Specifications

Measurement	Operating Range	Unit	Typical Accuracy	Resolution	Drift	Technology	Calibrated by	Calibration Interval
Temperature	-40 - 125	°C	± 0.3	0.1	<0.03/y	SBG	Sensor manufacturer	5y
Humidity	0 - 100	%	± 2	1	<0.25/y	Cap.	Sensor manufacturer	5y
CO ₂	0 - 10,000	ppm	± 30, ± 3%	1	<4/y	NDIR	Sensor manufacturer	Auto
Light	0 - 80,000	lux	± 4%	1	-	PT	AirSuite	5y
Light (Red)	0 - 44,000	lux	-	1	-	PT	Sensor manufacturer	5y
Light (Green)	0 - 81,000	lux	-	1	-	PT	Sensor manufacturer	5y
Light (Blue)	0 - 15,000	lux	-	1	-	PT	Sensor manufacturer	5y
Sound	28 - 135	dBA	± 1	0.5	<1/y	SDM	AirSuite	5y
Pressure	300 - 1,100	hPa	± 0.6	1	-	AB	Sensor manufacturer	Auto
VOC	0 - 60,000	ppb	± 15%	1	<1.3%/y	MOx	Sensor manufacturer	Auto
CO*	0 - 5,000	ppm	± 5%	1	<5%/y	EC	AirSuite	5y
PM1, PM2.5, PM4 (e), PM10 (e)*	0 - 1,000	µg/m ³	± 10, ± 10%	1	-	Optical	Sensor manufacturer	Auto

* Carbon Monoxide (CO) and Particulate Matter (PM) are optional add-ons. PM4 and PM10 mass concentration are estimated based on smaller particle counts.

Find out more or contact us at www.airsuite.com

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