AirSuite™ SSCM860 Sense LTE

What is it?

AirSuite™ Sense LTE (SSCM860) is a battery or mains-powered indoor environmental monitor that connects to the Internet via the Spark IoT network. Since it doesn't need to be connected to a Wi-Fi network, it's super quick to install, and extremely reliable.

Sense LTE is especially suitable for usage in the following situations:

- Rapid deployment for large numbers of sensors.
- No-cable deployments, and locations where it would be difficult to connect to power.
- Deployment on sites without a secure Wi-Fi network for IoT.
- Temporary deployments.

Installation

Mount the sensor in the desired location using the provided wall-mount kit, and hold down the reset button to turn it on. That's it! The sensor comes pre-provisioned and will start reporting immediately.

Optionally, use the AirSuite app for Android or iPhone/iPad to re-deploy or give your sensor a name. Sensors can also be redeployed from the management portal.

Data access

Environmental data is periodically pushed to the cloud platform via a secure private APN.

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 (SSCM860)
- Wall mounting kit
- Deployment Instructions

Specifications

Cellular

LTE Cat-M1 & NB-IoT (multi-band)

Bluetooth

Bluetooth Low Energy (BLE) v5.2

Dimensions & Weight

95mm x 95mm x 35mm, 175g

Operating Conditions

-40°C — 85°C, 0% — 100% R.H.

Storage Conditions

-20°C - 60°C

Power

3yr long-life battery with forward replacement available, or;

5V DC Micro USB (1A) - power supply/cable available by request

Mounting

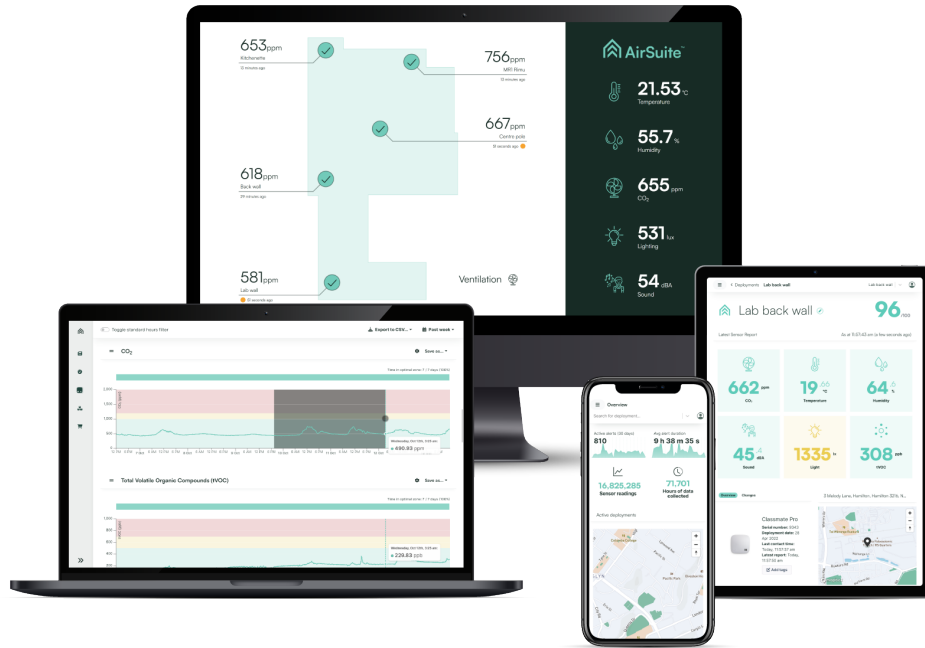Standard wall-mount or optional hard-wired permanent install kit

Memory

Over 24 hours of on-device data retention

Reporting Interval

To mobile app (via BLE): 1 minute

To AirSuite Monitor Portal (via LTE): 15 minutes (configurable)

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	± 50, ± 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, PM10*	0 - 1,000	µg/m³	± 10, ± 10%	1	-	Optical	Sensor manufacturer	Auto

* Carbon Monoxide (CO) and Particulate Matter (PM) are optional add-ons.

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

AirSuite™