



SSCM860 Sense LTE

Model	Weight	Power	Add-on sensor
Sense LTE SSCM860-PC	175g	Battery or USB Power Adapter not included	
Sense LTE + PM SSCM860-PM	135g	USB 5V/1A Tethered Micro-USB Power Adapter supplied	Particulates PM1, PM2.5, PM4 (est.), PM10 (est.)
Sense LTE + CO SSCM860-CO	125g	USB 5V/1A Tethered Micro-USB Power Adapter supplied	Carbon Monoxide CO
Sense LTE BIO SSCM860-BIO	140g	USB 5V/1A Tethered Micro-USB Power Adapter supplied	Biochemical Sensor Array CO + HCHO + NOx

AirSuite Sense LTE (SSCM860) is a compact, low-power, cellular-connected indoor air quality monitor. Configurable with either a built-in long-life battery, good for up to four years of continuous monitoring, or with one of several add-on sensors, it's designed to blend into its surroundings and is perfect for use in offices and public spaces.

Sense LTE is super quick to install, extremely reliable, and connects to the Internet using globally available LTE-M cellular networks. This makes it especially suitable for usage in the following situations:

- Rapid deployment for large numbers of sensors.
- Cable-free deployments, and locations where it would be difficult to connect to power.
- Deployment on sites without a secure Wi-Fi network for IoT devices.
- Temporary installations with frequent relocation, or on-the-go data collection.



Connectivity

NETWORK MODE

Cellular LTE-M (LTE Cat-M1)
NB-IoT-compatible

MODEM

nRF9160

NETWORK BANDS

B1, B2, B3, B4, B5, B8, B12, B13,
B20, B25, B26, B28, B66

REAL-TIME APP CONNECTIVITY

BT Low Energy (BLE) v5.4

CERTIFICATIONS

UKCA, CE, RCM, FCC, ISSED, KC

WIRED CONNECTIVITY

Micro-USB (power only)

Physical specifications

ENCLOSURE MATERIAL

ABS plastic

WATERPROOF/DUSTPROOF

No

DIMENSIONS

95mm x 95mm x 35mm

OPERATING TEMPERATURE

-10°C to +60°C

Battery (if equipped)

Battery not available when equipped with an add-on sensor.

BATTERY TYPE	BATTERY WEIGHT
Li-SOCl ₂	75g
BATTERY CAPACITY	TYPICAL LIFESPAN
8,800 mAh	2 to 4 years
RECHARGEABLE	USER-SERVICEABLE
No	No

Mounting

Standard wall mount or optional
tamper-proof wall mount

Memory

Up to 24 hours of persistent data
retention

Reporting Interval

TO MOBILE APP (VIA BLE)

1 minute

TO CLOUD (VIA LTE)

15 minutes (default) - configurable,
with optional power saving modes

MEASUREMENT INTERVAL

1 minute



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	± 0.01	0.01	<0.03/y	SBG	Sensor manufacturer	5y
Humidity	0 - 100	%	± 2	0.01	<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, and require mains power to operate. PM4 and PM10 mass concentration are estimated based on smaller particle counts.

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

v1.0.0-e96ac6a

