AirSuite™

SSCM880
Sense Wi-Fi

Model	Weight	Add-on sensor
Sense Wi-Fi SSCM880-SC	115g	
Sense Wi-Fi + PM SSCM880-PM	150g	Particulates PM1, PM2.5, PM4 (est.), PM10 (est.)
Sense Wi-Fi + CO SSCM880-CO	140g	Carbon Monoxide CO
Sense Wi-Fi BIO SSCM880-BIO	155g	Biochemical Sensor Array CO + HCHO + NOx

AirSuite Sense Wi-Fi (SSCM880) is a compact, Internet-connected indoor air quality monitor. Its high-speed Internet connection allows extremely high-resolution data to be captured and transmitted to the Cloud immediately, ideal for scientific modelling and reporting.

After using the AirSuite mobile app to connect the sensor to your Wi-Fi network, data is continuously transmitted to the Cloud through a secure TLS 1.2+ connection. Sense Wi-Fi comes with 5 years of automatic security updates.

Add-on sensors can optionally be included for detecting levels of Carbon Monoxide, Particulate Matter, or a variety of compounds.

Connectivity

WI-FI
2.4GHz, 802.11 b/g/n, ch1-11 WPA2/Mixed/Open

MODEM
nRF52840

REAL-TIME APP CONNECTIVITY
BT Low Energy (BLE) v5.4

CERTIFICATIONS
UKCA, CE, RCM, FCC, ISED

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

Power Supply
5V/1A DC Micro-USB (provided)

Battery

BATTERY TYPE	BATTERY WEIGHT
Li-ion Polymer	18g
BATTERY CAPACITY	**BATTERY LIFE**
1,000 mAh	Up to 24 hours
RECHARGEABLE	**USER-SERVICEABLE**
Yes	No

Memory
Up to 24 hours of persistent data retention

Reporting Interval

MOBILE APP (BLE)	CLOUD (WI-FI)
10 seconds	1 minute

MEASUREMENT INTERVAL
10 seconds

Included equipment
Power adapter with tethered Micro-USB cable

Standard wall mount

Cable management clips

Screws & Dry-wall screws

3M strips

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/m³	± 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

v1.0.0-e96ac6a

AirSuite™