



Indoor Air Quality Monitor

Model SSD003/1



Battery Configuration :

Includes space for one or two CR123A batteries, allowing up to three years of operation.

Smart Sensor Devices SSD003 is a new generation low-power indoor air quality monitoring (AQM) solution featuring state-of-the-art sensors.

This intelligent IoT-connected environmental sensor system easily connects to an analytics platform and helps you monitor real-time air quality levels.

It provides a comprehensive overview of indoor pollution levels.

Key Benefits :

- All-in-one, state-of-the-art AQM
- Bluetooth LE connectivity
- Low power consumption
- High precision
- Robust design
- Suitable for mass production
- Self-correcting technology
- Wall-mounted design

Quick Specification

| | |
|----------------|---|
| Measured data | Carbon dioxide (CO ₂) with non-dispersive infrared (NDIR) technology. Particulate Matter (PM) laser scattered technology. Temperature , Humidity & VOC. |
| Power | 1 x CR123A battery |
| Connectivity | Bluetooth LE 5.2 (2.4 GHz) Optional: Cellular Technology (LPWAN LTE-M 3GPP) |
| Dimensions | 88 x 88 x 33 cm |
| Weight | 130g |
| Certifications | CE, ROHS, REACH |



SSD003/1 Indoor Air Quality Monitor Datasheet

Model: SSD003/1

Connectivity

Bluetooth Low Energy v.5.2 Peripheral mode

API Rest-API and mobile App available.

LPWAN LTE-M or NB-IoT (Optional) SIM required.

Power

3V CR123 Battery, replaceable, No external power supply required.

Accuracy and range

Humidity:

Range: 0–100% r.H.

Accuracy: ± 4 % r.H.

Temperature:

Range: $-20 \dots 65^{\circ}\text{C}$

Accuracy: $\pm 0.5^{\circ}\text{C}$

Carbon Dioxide CO₂

Range: 400 ppm – 10,000 ppm

Accuracy: \pm (30 ppm / 3%)

Particulate Matter

Range: 0 to 1,000 $\mu\text{g}/\text{m}^3$

Accuracy:

$\pm 5 \mu\text{g}/\text{m}^3$ (between 0 ~ 35 $\mu\text{g}/\text{m}^3$)

± 10 % (between 35 ~ 1,000 $\mu\text{g}/\text{m}^3$)

VOC : range: 500 $\mu\text{g}/\text{m}^3$ Accuracy: ± 15 % r.H.

Mechanical & Environmental

Working Temperature:

-20°C to $+65^{\circ}\text{C}$, Humidity: 100%

Size: 88 x 88 x 33 mm

Weight: 130g

Certification: CE, RoHS and Reach compliance

Color: White

Order Part Number: SSD003/1

Address

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