



HibouAir SSD002/3 combines CO₂ and PM (Particulate Matter) sensors into one compact unit, designed to deliver accurate, real-time monitoring of indoor air quality in homes, offices, schools, healthcare facilities, and industrial spaces.

HibouAir DUO provides a powerful, easy-to-deploy solution for anyone seeking visibility into environmental quality. It supports multiple connectivity options—Bluetooth Low Energy (BLE), Wi-Fi, and Cellular (LPWAN LTE-M 3GPP)- making it versatile for fixed, mobile, and remote applications.

CO₂ & PM Sensor with Wifi and BLE

Key Benefits :

- All-in-one, AQM
- Bluetooth LE connectivity
- Wifi connectivity
- High precision
- Robust design
- Self-correcting technology
- Wall-mounted design



Quick Specification

Measured data	Carbon dioxide (CO₂) with non-dispersive infrared (NDIR) technology. Particulate Matter (PM) laser scattered technology. Ambient Temperature , Ambient Pressure, Relative Humidity & VOC (volatile organic compounds) Electrochemical Sensor.
Power	+5VDC input on micro USB connector.
Connectivity	Our air quality monitor is available in three variants based on connectivity needs <ul style="list-style-type: none">- SSD002/3 (WiFi + Bluetooth LE)- SSD002/3B (Bluetooth LE only)- SSD002/3M (Bluetooth LE + LTE-M)
Dimensions	88 x 88 x 33 mm
Weight	130g
Certifications	CE, ROHS, REACH

SSD002/3 Indoor Air Quality Monitor Datasheet

Power

+5VDC input on micro USB connector.

Accuracy and range

Humidity:

Range: 0–100% r.H.

Accuracy: $\pm 4\%$ r.H.

Carbon Dioxide CO₂

Range: 400 ppm – 10,000 ppm

Accuracy: $\pm (30 \text{ ppm} / 3\%)$

VOC

(Organic Compounds)

IAQ index & ppm range

Ambient Temperature:

Range: 0...65°C

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

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 $\mu\text{g}/\text{m}^3$)

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

Ambient Pressure

range: 300...1100 hPa $\pm 0.6 \text{ hPa}$

Mechanical & Environmental

Working conditions:

-20°C to +65°C, Humidity: 100%

Size: 88 x 88 x 33 mm

Weight: 130g

Certification: CE, RoHS and Reach compliance

Color: White

Order Part Number: SSD002/3



Connectivity Options

SSD002/3 (WiFi + Bluetooth LE)

- WiFi Client
- Bluetooth Low Energy v5.2 (Peripheral mode)

SSD002/3B (Bluetooth LE only)

- Bluetooth Low Energy v5.2 (Peripheral mode)
- Standalone BLE connectivity with mobile app support

SSD002/3M (BLE + LTE-M)

- Bluetooth Low Energy v5.2
- Integrated Cellular LTE-M (3GPP LPWAN) for remote deployment

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**VAT registration
number**
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