



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
- Auto calibration
- Data logger for days or month
- Wall mounted design
- Option with wifi or cellullar technology



DATA LOGGER & REPORTS

Smart Data Logging & Historical Reports

Capture more. Store longer. Report clearly.

HibouAir includes a built-in data logger with programmable storage intervals in 1-minute steps. Choose the interval that fits your monitoring needs and store measurements for days or even months. Access historical data and generate professional PDF reports for analysis, documentation, and sharing.



Interval Control

Flexible logging with programmable storage intervals in 1-minute steps.

Store Data for Days or Months

Adjust the interval to balance measurement detail and long-term storage duration.

Historical PDF Reports

Review historical trends and export clean PDF reports for documentation and sharing.

Actionable Trend Visibility

Turn historical measurements into clear insights for smarter air-quality decisions.

SSD002/3 Indoor Air Quality Monitor Datasheet

Power

+5VDC input on micro USB connector.

Accuracy and range

Humidity:

Range: 0–100% r.H.

Accuracy: ± 4 % r.H.

Carbon Dioxide CO₂

Range: 400 ppm – 10,000 ppm

Accuracy: \pm (30 ppm / 3%)

VOC

(Organic Compounds)

IAQ index & ppm range

Ambient Temperature:

Range: 0...65°C

Accuracy: ± 0.5 °C

Particulate Matter

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

Accuracy:

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

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

Ambient Pressure

range: 300...1100 hPa ± 0.6 hPa

Mechanical & Environmental

Working conditions:

-20°C to +65°C, Humidity: 100%

Size: 88 x 88 x 33 mm

Weight: 130g

Certification: FCC, CE, RoHS 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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