



Smart  
Sensor  
Devices



# Hibou Air Quality sensor system

The eco-friendly intelligent IoT connected Environmental Air quality sensor system that installs in seconds and connects to your Dashboard account.

This plug & play device will simply inform you every minute on the Air Quality, Humidity, Temperature, Ambient pressure, Ambient Light & UV light levels, VOC with IAQ index output.

The devices connects automatically to your Cloud Dashboard account and can easily be setup to send Alerts notifications and periodically reports upon request.

## Trusted Connectivity and Security

Communication is protected and secured through the use of X.509 certificates.

## Protocols

Easy and direct control via Open API, to connect with customized systems.

Uses MQTT Broker for Topic subscriptions and messaging.

## Storage and analysis

Data can be stored and analyzed on AWS IoT cloud or just stored directly on the Dashboard.

## Management

Provision, update and control access of devices to the system as well as policy-based permis-



For more info contact [info@smartsensordevices.com](mailto:info@smartsensordevices.com)

# Product Specification — SSD002

<b>Hibou Air Quality Sensor System</b>	
<b>ROLES</b>	Wifi Client Bluetooth Master and Peripheral
<b>SECURITY</b>	X.509 certificate
<b>CONNECTIVITY</b>	802.11n (2,4 GHz) Wi-Fi Bluetooth 4.2
<b>POWER</b>	Micro USB, Low power: Typ 45mA , peak 400mA (at Wifi transmission).
<b>SENSORS</b>	Particulate Matter (PM1.0 & PM 2.5): resolution 0.3 µg/m <sup>3</sup> . Max Error ± 10% Humidity, range: 0...100% r.H. Accuracy: ± 3 % r.H. Temperature, range: -20...65°C Accuracy: ± 1°C Pressure, range: 300...1100 hPa ± 0.6 hPa Ambient light: resolution 100mLux UV light as UV Index (WHO standard) VOC (Organic Compounds) Indoor Air Quality Index (IAQ) Output
<b>MECHANICAL</b>	73,2 mm (L) , 50 mm (W) 12,4 mm (D)
<b>ENVIRONMENTAL</b>	Temperature: - 20°C to +65°C Humidity: 95% Ingress Protection: IP42 (Indoor use and Outdoor with extra protection case)
<b>MOUNTING</b>	Adhesive sticker or wall mounted holder.
<b>CASE MATERIAL</b>	Disposable Bio grade material
<b>CERTIFICATION</b>	FCC & CE, RoHS compliant, halogen-free
<b>COLORS</b>	White Black



**Hibou Air Quality Sensor System**

- Easy installation
- User defined Alerts
- Weekly reports
- Real time data access

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