



# Hibou Air Quality sensor system



The intelligent Air quality sensor system installs in seconds and connects to your Dashboard account, providing real time Air quality Data.

By using an external Power Bank and our Smartphone APP, you can use the device as a portable personal Air Quality Monitor.

This plug & play device will inform on the Particulate Matter (PM10 & PM2.5), Humidity, Temperature, Ambient pressure, Ambient Light and VOC.

The device connects automatically to your Cloud Dashboard account and can easily be set up 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

Uses of standard internet protocols for best flexibility and compatibility.

## Storage and analysis

Data can be stored and analyzed on smartphone APP or just stored directly on the Dashboard account.

## Management

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

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



## Product Specification — SSD002

	<b>Hibou Air Quality Sensor System</b>
<b>ROLES</b>	Wifi Client Bluetooth v5.0 Peripheral
<b>SECURITY</b>	X.509 certificate
<b>CONNECTIVITY</b>	802.11n (2,4 GHz) Wi-Fi Bluetooth 5.0
<b>POWER</b>	Micro USB, Low power: Typ 45mA , peak 400mA (at Wifi transmission).  Possible to use external power bank for portable use.
<b>SENSORS</b>	Particulate Matter (PM1.0, PM 2.5 & PM10): resolution 0.3 $\mu\text{g}/\text{m}^3$ . Max Error $\pm 15\%$ Temperature, range: -20...65°C Accuracy: $\pm 1^\circ\text{C}$ Humidity, range: 0...100% r.H. Accuracy: $\pm 3\%$ r.H. VOC (Organic Compounds) CO equivalent Pressure, range: 300...1100 hPa $\pm 0.6$ hPa Ambient light: resolution 100mLux
<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: IP22 (Indoor use and Outdoor with extra protection case)
<b>MOUNTING</b>	Wall mounted holder.
<b>CASE MATERIAL</b>	ABS
<b>CERTIFICATION</b>	FCC & CE, RoHS compliant, halogen-free
<b>COLORS</b>	White or Black



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