



**Smart
Sensor
Devices**

- Outdoor Unit
- Easy installation
- Real Time Data Access
- Configurable Reports
- User defined Alerts

OUTDOOR AIR QUALITY MONITOR DATA AS A SERVICE

Hibou Air Quality Monitor System is an intelligent IoT connected environmental sensor system that easily connects to the Cloud Sensor Analytics platform and helps you monitor in Real-time Particulate matter, VOC, CO₂, Humidity, Temperature, Ambient pressure and Ambient Light level. Giving a wide view of the pollution levels.

Now including LTE Cellular Technology (NB-IoT) , WiFi or Bluetooth connectivity.

Web: www.smartsensordevices.com
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**Hibou Cloud Management Platform
Sensor Data As A Service**

Real Time data access allows Data correlations with several sensors and pollutants. Backups of historical data over time for future analysis.

Maintenance of system and sensors on the field for proper network uptime.

Automatically generated reports of monitor data.

Automatically generated Alarms of select monitor levels.

Hibou Air Quality Sensor Specification	
CONNECTIVITY	NB-IoT 802.11n (2,4 GHz) Wi-Fi Client Bluetooth v.5.0 Peripheral
SECURITY	X.509 certificate, 802.1X authentication
API	Rest-API and mobile App available.
POWER	Typ 45mA , peak 400mA (at Wifi transmission). External power adapter.
SENSORS	Particulate Matter PM10&PM2.5: Resolution 0.3 µg/m ³ . Max Error ± 15% (@25°C, 50%RH). 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 VOC (Organic Compounds) Indoor Air Quality Index (IAQ) Output CO2 (Optional): 400ppm to 3000ppm range. 1ppm resolution. Error ± 50ppm
MECHANICAL	Outdoor installation, 110 mm (L) , 80 mm (W) 70 mm (D)
ENVIRONMENTAL	Temperature: - 20°C to +65°C Humidity: 98%
MOUNTING	Wall mounted holder.
SIZE	110x 80 x 50 mm
CASE MATERIAL	ABS
CERTIFICATION	FCC & CE, RoHS compliant, halogen-free
COLORS	Grey, White , Black