

# Breath BOX

## AIR QUALITY RECORDER SMOG



### KEY FEATURES

- WIFI communication
- High-quality laser sensor
- Possibility of publishing the measurement results (Smog Map)

A Polish-made precision device designed to measure and signal the level of air pollutants outside and inside objects. The BreathBoX-WiFi detector has Wi-Fi connectivity, thanks to which we can install the sensor anywhere within the range of a Wi-Fi network with Internet access. Plantower's high-quality laser sensor allows us to measure the concentration of PM1, PM2.5 and PM10 particles and the digital measurement module measures temperature and humidity. After a short configuration and connection to a Wi-Fi network, the device automatically sends the current data to the individual user's account, which can be accessed via a free application, or by logging in to the user's [isensum.com/login](http://isensum.com/login) account.

### SPECIFICATION

#### POWER SUPPLY

Power supply 5VDC 230V

#### MEASUREMENT RANGE

PM1,  
PM2.5: 0-500  $\mu\text{g}/\text{m}^3$   
PM10: 0-500  $\mu\text{g}/\text{m}^3$   
Temperature: -40 ~ +125 °C (accuracy 0.3 °C)  
Humidity: 0 ~ 100%

#### SAMPLING

15 min (Factory default)

#### COMMUNICATION

Wi-Fi

#### RANGE

Up to 150 m (outdoors)

#### DIMENSIONS

132x69x51 mm

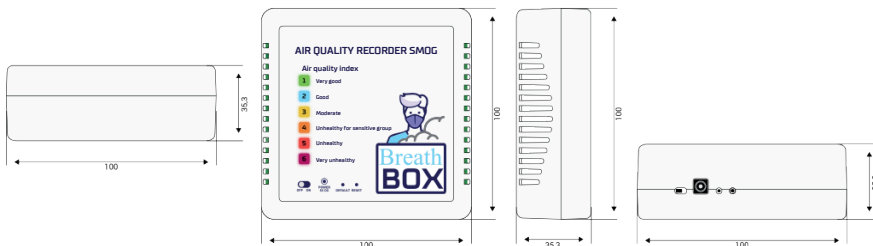
#### WEIGHT

200g

#### SENSOR TYPE

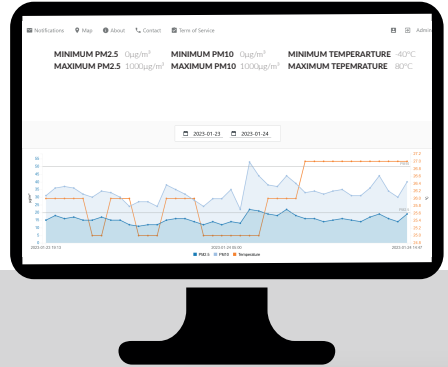
Laser

### DIMENSIONS

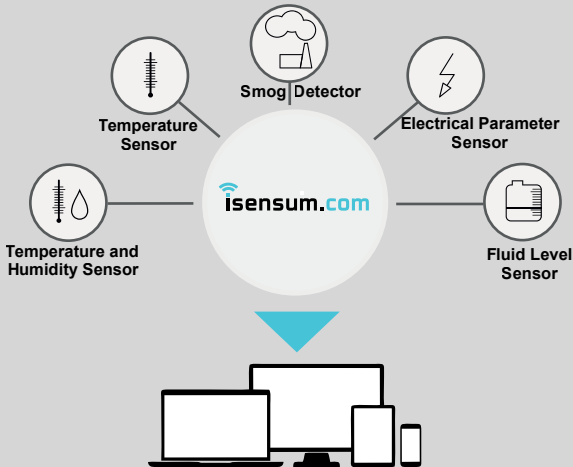


## DESCRIPTION OF THE SYSTEM

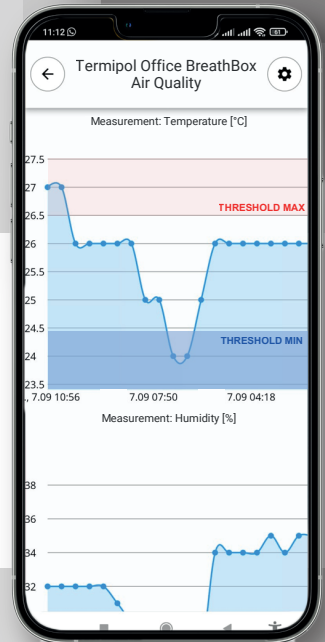
Isensum.com is a service that connects the user to a sensor anywhere in the world. With the help of the service, it is possible to collect data from measuring devices connected directly to the internet. Access to data and product configuration is possible via a web browser or phone and a dedicated mobile application. Additionally, using ipomiar.pl application, it is possible to generate reports which, in a simple and accessible manner, illustrate the collected data in a user-defined time interval.



## SYSTEM FUNCTION



## MOBILE APP



## KEY FEATURES

- Secured cloud system with encrypted data
- Direct connection to WiFi/GSM network
- Free mobile application
- API link
- Automatic reports and notifications
- Fully adjustable user panel -view



Isensum  
Powstańców Śląskich 64 ☎ +48 34 393 00 15  
42-700 Lubliniec +48 601913288  
Poland ✉ info@isensum.com