



User Manual

Code: AIR-SENSOR/BLEBOX
AIR QUALITY SENSOR AIR-SENSOR/BLEBOX Wi-Fi

Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

The AIR-SENSOR/BLEBOX wireless sensor allows you to check the air quality in and around your home. The device is designed for indoor or outdoor use in places protected from rain. Protect against direct sunlight.

Using the wBox application and the AIR-SENSOR/BLEBOX sensor, you can control other devices in the system based on the readings. Modern solutions used in devices allow you to receive notifications from the wBox mobile application dedicated to smartphones and tablets with iOS and Android systems. Historical measurement data are only available for sensors mounted outside, configured in remote access mode, with a correctly set location and they are stored only on BleBox servers. They are also presented on the map available on mapa-jakosci-powietrza.blebox.eu

To work with full functionality, the device requires connection to a home Wi-Fi network. Controlling BleBox devices via the cloud requires additionally connecting the home network to the Internet and enabling the "Remote access" function in the device configuration. Voice control allows you to control the device via voice commands from Amazon Alexa or the Google Assistant (Internet access required).



Support:	BleBox
Detection:	Air quality - Fine dust particles PM1, PM2.5, PM10
Measurement range:	0 ... 500 µg/m ³ @ PM2.5
Alarm signaling:	Signal to the wBox mobile application
Frequency range:	2.4 GHz Wi-Fi - IEEE 802.11g
Mobile phones support:	<ul style="list-style-type: none"> The wBox free application on Android The wBox free application on iOS
Power supply:	<ul style="list-style-type: none"> 12 ... 24 V AC / DC (screw terminals) 5 V DC - micro USB
Power consumption:	<ul style="list-style-type: none"> < 1 W (Standby mode) max. 2 W (operation)

Main features:	<ul style="list-style-type: none"> • Measuring accuracy : 50 % @ 0.3 μm, 98 % @ $\geq 0.5 \mu\text{m}$ • Rozdzielczość detekcji : 1 $\mu\text{g}/\text{m}^3$ • Laser sensor, • Measurement duration : 10 s • Measurement frequency : 10 minutes / manual • Data presentation on the mapa-jakosci-powietrza.blebox.eu/en website • Phone notification • Internal antenna • μWiFi technology support, • remote access • Controlling BleBox devices • Voice control • Bidirectional communication • Transmission encryption : WPA2-PSK (AEAD) • LED indication • Protections : Reverse polarity of the input voltage, ESD • Assembly : self-adhesive tape
Housing:	Plastic (ABS)
"Index of Protection":	IP32
Color:	White
Operation temp:	-10 ... 50 °C
Permissible relative humidity:	0 ... 99 %
Weight:	0.08 kg
Dimensions:	71 x 71 x 27 mm
Manufacturer / Brand:	BleBox
Guarantee:	2 years

Internal view of the housing:



Power connector:



PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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