

Code: AIR-SENSOR/BLEBOX

## AIR QUALITY SENSOR **AIR-SENSOR/BLEBOX** Wi-Fi

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](http://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 $\mu\text{g}/\text{m}^3$ @ 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"> <li>The <a href="#">wBox</a> free application on Android</li> <li>The <a href="#">wBox</a> free application on iOS</li> </ul>
Power supply:	<ul style="list-style-type: none"> <li>12 ... 24 V AC / DC (screw terminals)</li> <li>5 V DC - micro USB</li> </ul>
Power consumption:	<ul style="list-style-type: none"> <li>&lt; 1 W (Standby mode)</li> <li>max. 2 W (operation)</li> </ul>

Main features:	<ul style="list-style-type: none"> <li>• Measuring accuracy : 50 % @ 0.3 <math>\mu\text{m}</math>, 98 % @ <math>\geq 0.5 \mu\text{m}</math></li> <li>• Rozdzielczość detekcji : 1 <math>\mu\text{g}/\text{m}^3</math></li> <li>• Laser sensor,</li> <li>• Measurement duration : 10 s</li> <li>• Measurement frequency : 10 minutes / manual</li> <li>• Data presentation on the <a href="http://mapa-jakosci-powietrza.blebox.eu/en">mapa-jakosci-powietrza.blebox.eu/en</a> website</li> <li>• Phone notification</li> <li>• Internal antenna</li> <li>• <math>\mu\text{WiFi}</math> technology support,</li> <li>• remote access</li> <li>• Controlling BleBox devices</li> <li>• Voice control</li> <li>• Bidirectional communication</li> <li>• Transmission encryption : WPA2-PSK (AEAD)</li> <li>• LED indication</li> <li>• Protections : Reverse polarity of the input voltage, ESD</li> <li>• Assembly : self-adhesive tape</li> </ul>
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