

# AIREA Air quality sensor



airea  
by ROBOTBAS



Airea with its wall mount

# Tranquility & security

To respond to the needs caused by COVID-19, **ROBOTBAS has created**, in collaboration with the University of the Balearic Islands, the **Airea air quality sensor**, which allows knowing the **state of the air indoor** and minimizing the increase in energy consumption in heating due to the new ventilation recommendations.

**Through colour lighting, Airea indicates the need to ventilate the space in which it is located**, depending on the level of CO<sub>2</sub> (as the main indicator).

Although this device is perfect for all types of buildings, it has been specially designed for spaces where different people live together and that require continuous ventilation such as:



Schools



Universities



Hospitals



Geriatric



Offices



Shops



Restaurants



Hotels



# Easy to use



## **Good air quality**

The green colour indicates that the CO<sub>2</sub> value is at normal levels.



## **Poor air quality**

This yellow colour indicates that the air quality is declining and therefore, it is recommended to ventilate the space as soon as possible.



## **Bad air quality**

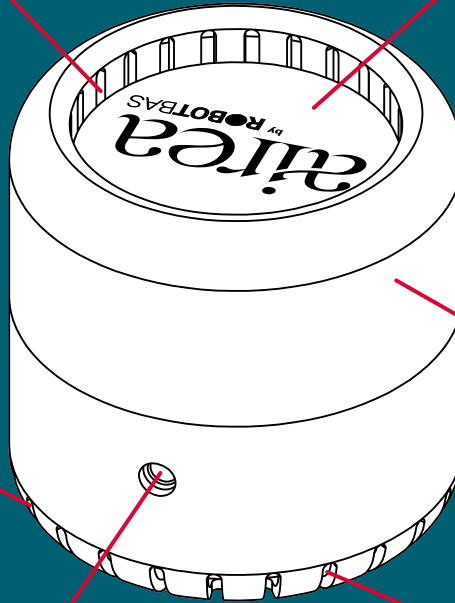
It turns on red when the CO<sub>2</sub> level has reached the recommended maximum and it is urgent to ventilate the room. After a while, if the space has not been ventilated, an acoustic signal will be activated warning of the urgency to ventilate.

The **thresholds** that define which colour the air quality level corresponds to, are **customizable through the Airea Sensor platform**.

By default, Airea comes preconfigured with thresholds that guarantee the air quality levels defined by the health authorities.

Infrared CO<sub>2</sub> sensor  
that allows to measure  
the real concentration  
of CO<sub>2</sub> in ppm.

Wi-Fi connection with the  
cloud, historical record and  
multiplatform access.



TVOC  
(Total Volatile Organic  
Components) sensor.

Connection to the  
electrical network through  
an external power supply  
(incorporated).

High-power digital  
omnidirectional RGB lighting  
and integrated buzzer.

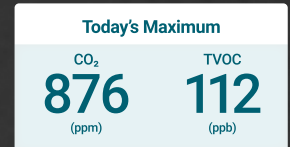
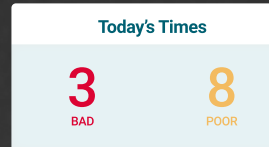
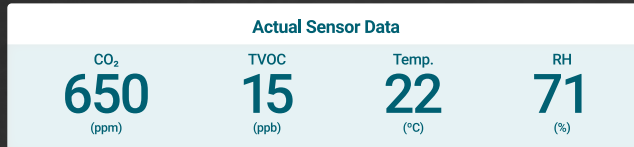
Temperature and relative  
humidity sensor.

# Monitoring and registration

Aula 14

online

Current Data



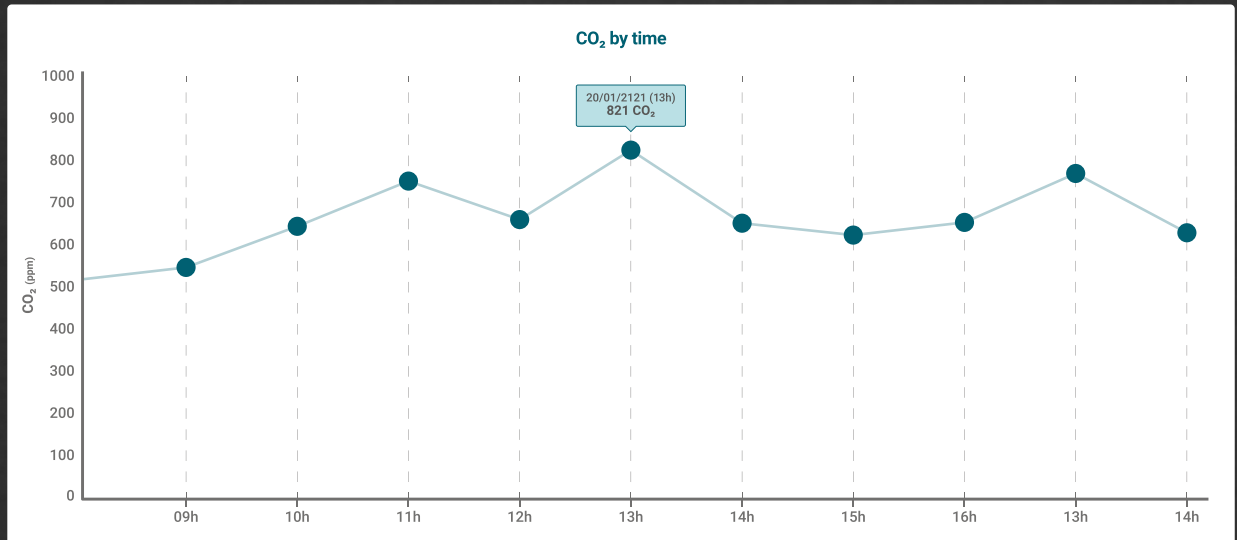
Historical Data

Select dates

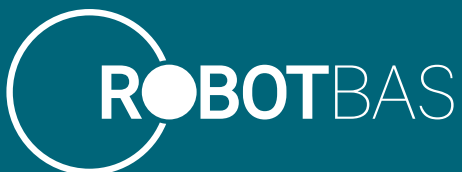
18/01/2121



20/01/2121



Airea monitors the **levels of CO<sub>2</sub>** and **TVOC** as well as the **temperature** and **relative humidity of the environment**. Through its Wi-Fi connection, it allows all this **data to be stored in the cloud**, for **later analytics**, allowing to know behavior patterns and take preventive measures that allow maintaining the air quality of each room in the best possible conditions.

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