

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, Aira indicates the need to ventilate the space in which it is located, depending on the level of CO₂ (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 CO₂ 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

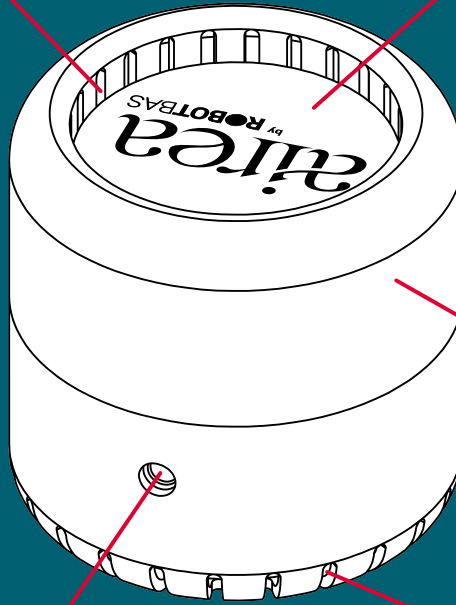
It turns on red when the CO₂ level has reached the recommended maximum and it is urgent to ventilate the room. After a while, if the space has not been ventilated, an acoustic signal will be activated warning of the urgency to ventilate.

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 CO₂ sensor that allows to measure the real concentration of CO₂ in ppm.

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



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

Temperature and relative humidity sensor.

High-power digital omnidirectional RGB lighting and integrated buzzer.

Monitoring and registration

Aula 14



online

Actual Data

CO₂
650
(ppm)

Temp.
22
(°C)

HR
71
(%)

Today's Times

3
BAD

8
POOR

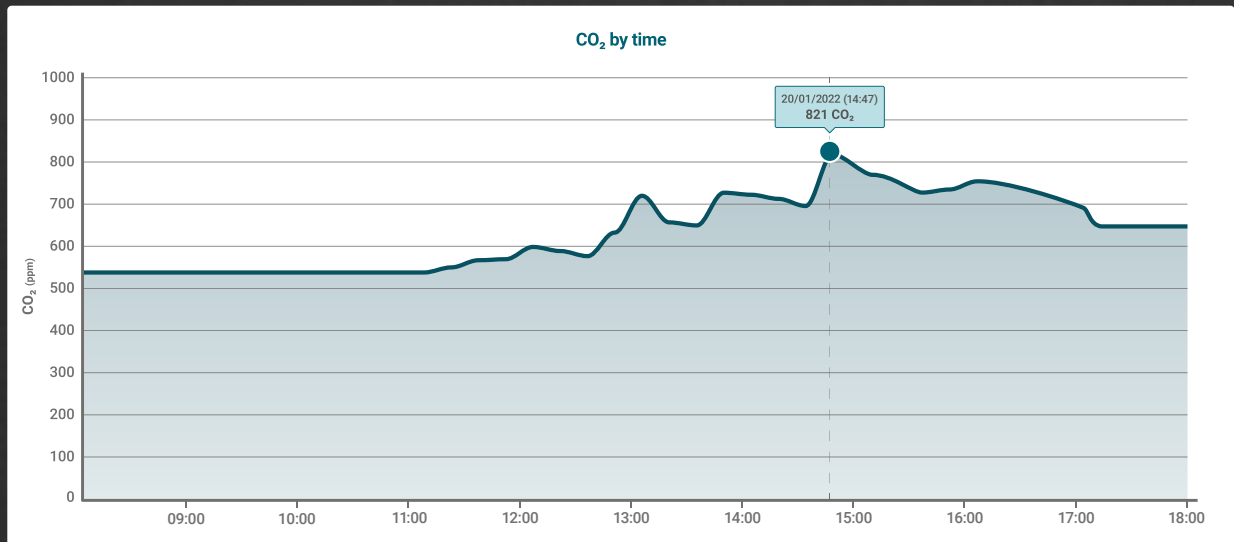
Today's Maximum

CO₂
876
(ppm)

Select date

20/01/2022

Apply



Area monitors the **levels of CO₂** 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.



649

CO₂
ppm

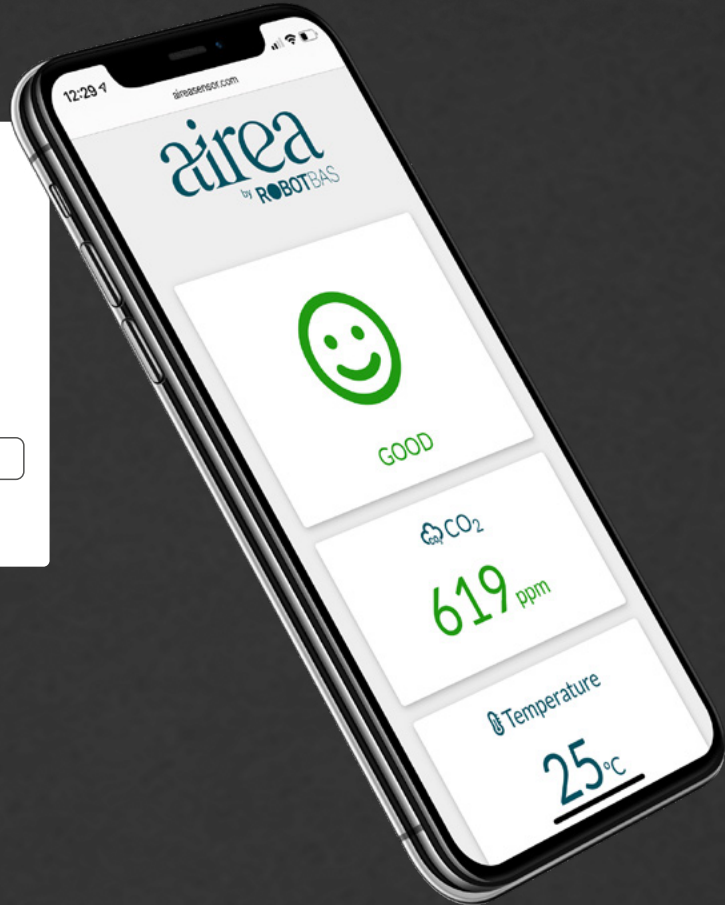
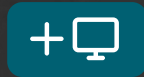


Temperature
26 °C

Humidity
46 %

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Data visualization



Through the aireasensor.com platform, you can configure the screens to show the measurement data of the Airea sensors. This data, which is constantly updated, can be shared **using a QR code or projected on external screens.**

If several Airea meters are chosen the screen will project its average.

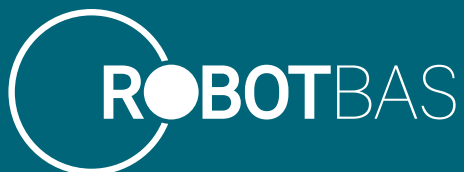


airea switch

Connection with actuators



Airea Switch is an **intelligent switch**, associated with one or more Airera sensors, which allows to turn on or off a fan or an extractor depending on the air quality parameters recorded at any time by the Airera sensors. In this way, the air renewal is automated when it's necessary.



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