

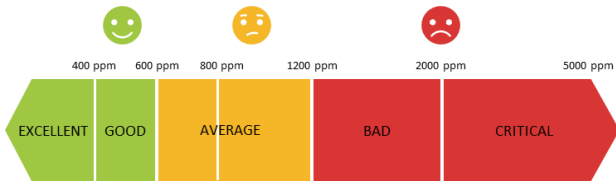


# AIR QUALITY NDIR\* SENSOR

IoT sensor



CFG-APP



## Features

The THAQ facilitates the monitoring of your rooms and buildings thanks to its CO<sub>2</sub>, VOC (volatile organic compounds), temperature and relative humidity sensors.

Equipped with a LED on the front panel (Green > Orange > Red) clearly indicating the need to ventilate the room, the air quality is displayed locally or the complete measurements are sent to an operated [Sigfox](#) or [LoRaWAN](#) network.

The configuration is done from the tools of the ATIM suite, either locally or remotely: CO<sub>2</sub> thresholds are among other things configurable.

Compatible with the computer and mobile versions of the [IoT web platform](#)\*\* , data visualization, remote parameterization of the sensor and the configuration of alerts according to predefined thresholds are made possible in a few clicks.



Carbon dioxide (CO<sub>2</sub>)  
Range: 0 to 40000ppm  
Precision : +/- 40ppm +5% from 400 to 5000ppm



Volatile Organic Compounds  
Range: 0 to 500 VOC  
Resolution : 1



Air temperature  
Range: -40°C to +125°C  
Precision : +/- 0.2°C between -40°C and +80°C



Air humidity : 0% RH to 100% RH  
Precision : +/- 2% RH between 0 and 100 % RH



Multifunction visual signal:  
- network quality  
- air quality  
- mode of operation



Interchangeable batteries



Setup via USB, downlink or mobile app



Plug & Play

## References

Part number	Technology
ACW/THAQ	Sigfox LoRaWAN

\* Recognized by the High Council of [Public health](#)

\*\* Disponible avec un abonnement à la plateforme web Atim Cloud Wireless™

# OPTIMISE AND MONITORE AIR QUALITY



Smart Building



Smart City



Smart Industry

- Children spend most of their time in class, the quality of the air they inhale is a major issue for their health, especially since some VOCs are classified as carcinogenic and high CO2 levels facilitate the spread of the Covid virus.
- Thanks to the LED indicating the air quality according to a precise colour code, teachers will be able to take immediate ventilation measures (LED deactivatable by configuration).
- It has been proven that optimal air quality has an effect on the concentration and well-being of children (less coughing, allergies, etc.).



- The labour code states that for any closed work area, the air must be renewed in order to maintain a pure atmosphere and to avoid exaggerated temperature rises.
- A real time indicator of CO2, VOC, temperature and humidity levels makes it possible to ensure that the air treatment equipment is working properly and to intervene in case of malfunction.

