AIR QUALITY
NDIR* SENSOR

sigfox LoRaWAN local

CFG-APP

Carbon dioxyde (CO_2)
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

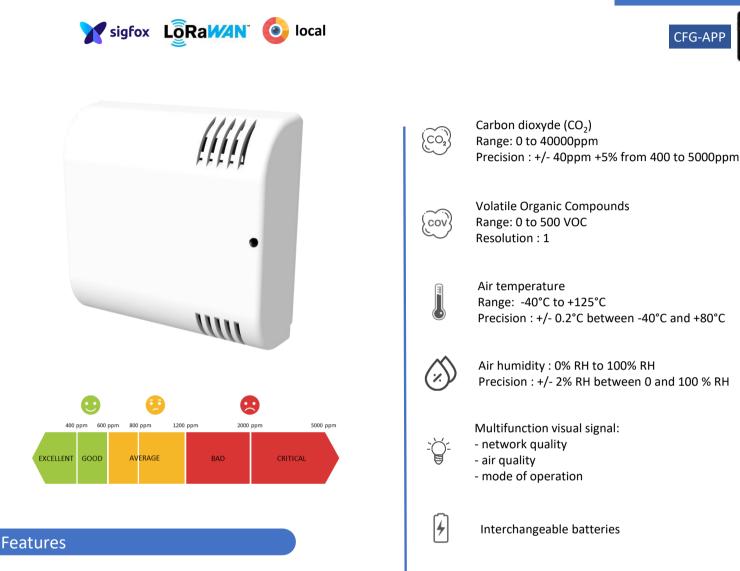|					
400 ppm	600 ppm	800 ppm	1200 ppm	2000 ppm	5000 ppm
EXCELLENT	GOOD	AVERAGE		BAD	CRITICAL

Features

The THAQ enables the monitoring of your rooms and buildings thanks to its CO2, 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: CO2 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.

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™
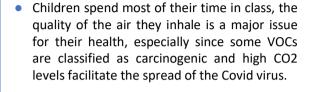
OPTIMISE AND MONITORE AIR QUALITY

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.

THAQ_LoraWan_A000DA47 > Tableau de bord

ID : 70b3d59ba000da47   3,64 V

CO2	Index COV	Température	Humidité
975,0 ppm	152,0	21,0 °C	25,8 %
Dernières 24h	Dernières 24h	Dernières 24h	Dernières 24h
1019,0 ppm max	153,0 max	22,1 °C max	26,0 % max
713,5 ppm moy	117,9 moy	19,0 °C moy	24,8 % moy
503,0 ppm min	80,0 min	17,2 °C min	23,7 % min