

AIR QUALITY

TEMPERATURE – HUMIDITY - CO₂ - VOC



Smart Building



Smart City



Smart Industry



Features

ACW/THAQ monitors air quality indicators such as temperature, humidity, CO₂ and volatile organic compounds (VOCs, such as benzene, ethanol, butane, etc.) from all types of buildings (industrial, tertiary, hospital, educational establishments, etc.).

Transmission of data at regular intervals & visualization of data for each indicator (Temperature, Humidity, Co₂, VOC) on the Atim Cloud Wireless® * platform.

Indication of air quality by flashing LED (colour code on preset thresholds according to European standard, modifiable by configuration). One flash every 5 seconds (function can be deactivated by configuration).

SMS or Email alerts when a threshold is exceeded *.

** Only with subscription to our platform*



Air temperature

Range: -40°C / +125°C

Precision : +/- 0.2°C between -40°C and +80°C



Air humidity : 0% RH / 100% RH

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



Volatile Organic Compounds

Index: 0 to 500 VOC



Carbon dioxide (CO₂)

Range: 0 to 40000ppm

Precision : +/- 40ppm +5% from 400 to 5000ppm



Plug & Play < 10 min of installation

Preconfigured, magnet activation, batteries depassivation (storage)



Downlink configuration via downlink or Bluetooth (BLE 4.2)



2 interchangeable batteries



Multifonction visual signal:

- network quality

- air quality

- mode of operation

References

Part number	Technology
ACW/SF8-THAQ	Sigfox
ACW/LW8-THAQ	LoRaWAN

INDOOR AIR QUALITY – ENERGY MONITORING

OPTIMISE AND MONITORE AIR QUALITY OF BUILDINGS AND THE CONFORT OF THE END USERS

- Children spend most of their time in class, the quality of the inhaled air is a major issue for their health, especially since some VOCs are classified as carcinogenic
- Thanks to the LED indicating the air quality according to a precise colour code, teachers will be able to take immediate ventilation measurements (optional function)
- Optimal air quality has been shown to have an effect on children's concentration and well-being (less coughs, allergies, etc.)



- The labour code provides that for all closed work premises, the air must be renewed in order to maintain a state of purity of the atmosphere and to avoid exaggerated rises in temperature
- A real-time indicator of the levels of Co2, VOC, temperature and humidity helps ensure the proper functioning of air treatment equipment to take action in the event of a malfunction

Overview of the visualization of air quality indicators on the Atim Cloud Wireless™ platform

