MIKROTIK

CLAIRÉ Lite

Connected indoor environment monitoring – the MikroTik way.

You can't see everything that's happening in your room. Meanwhile, CO_2 may be building up. And to your lungs. CLAIRÉ Lite lets you see what your senses miss – so you can start living a better, cleaner life.

Automate and forget!

matter

BUILT ON THREAD

Matter over Thread

Your home's data can stay at home. Build local smart-home automations with Home Assistant and hAP be^3 Media – without sending every reading to a server on the other side of the world.



Detect and track!

CO_2

Feeling tired or having trouble concentrating? Before blaming the workload, check the room. CO_2 can build up faster than you might expect.

VOC

Perfume, paint, glue – or solvents in the workshop. Many products and processes release volatile compounds you can't reliably see or smell. CLAIRÉ Lite will warn you.

Temperature + humidity

Keep comfort in check, spot unwanted humidity, and make smarter heating and ventilation decisions.

The window is open.
Is that enough? Turns out...

It's surprisingly difficult to judge ventilation by feel. Cracking a window can make a room feel fresher without telling you how much CO_2 remains. CLAIRÉ Lite replaces the guesswork with a number. Open the window and watch it fall. Close it when you're satisfied.

Consider this: **you take around 20 000 breaths every day**. Better input, better output: deal with the air quality in your home, and pretty soon you might notice better sleep & focus, more energy – as your lungs finally get the fresh air you thought they were getting all along!

Check out our YouTube and TikTube videos for this product!

No smart home required. The 2" colour display puts the readings right in front of you, with selectable views and colour-coded warnings when the air takes a turn.



With a maximum power consumption of less than 1 W, CLAIRÉ can easily run from a USB powerbank or MikroTik GPOE-USB – handy when you want to check the air somewhere without a convenient power outlet.



CLAIRÉ Lite

Just another day indoors...

07:30 / Window opened CO_2 ↓

09:15 / 2h at the desk CO_2 ↑↑

11:15 / Proper ventilation CO_2 ↓↓↓

15:00 / Cleaning the room VOC ↑

18:30 / Cooking VOC ↑↑ / Humidity ↑

20:00 / Friends arrive CO_2 ↑↑↑

23:00 / Bedroom door closed CO_2 ↑↑

● FRESH AIR/ GOOD

BRAIN FOG AREA/ TIME TO ACT ●

Illustrative example. Different activities affect specific air-quality measurements in various ways.

Putting “Art” into “Smart Home”: elegant automation via Matter over Thread



Knowing when to open a window is useful enough. But CLAIRÉ is also a **Matter over Thread device**. Pair it with a compatible smart-home system and its measurements can become inputs for automations.

CO_2 is getting high? Turn up compatible ventilation.

Air quality deteriorates rapidly? Send a notification, for example, over the phone, e-mail, SMS, light or through custom sound signals in the affected rooms.

Conditions return to normal? Turn the ventilation back down – better your wallet and for the planet!

A short guide on automation + hAP be³ Media



With a local setup such as **hAP be³ Media + Home Assistant**, there’s no need to send every measurement halfway around the world just to make something happen in the next room. **Keep your data, history and automations inside your own network** – without buying unnecessary IoT hubs and gadgets.

Sounds like a lot of setup? It doesn’t have to be. **WinBox 4 introduces simple one-click container setup** – choose Home Assistant, get it running on hAP be³ Media, and start building the home of your dreams!



Need particle monitoring too?

Choose the full CLAIRÉ with dedicated PM2.5 and PM10 detection!

Specifications

Product name	CLAIRÉ Lite
Product code	IAQM-THC2V-W - white enclosure, IAQM-THC2V-G - grey enclosure
Carbon dioxide (CO_2) sensor	Sensirion SCD40-D-R2 photoacoustic spectroscopy (PAS) sensor
CO_2 range and accuracy	Range 400..2000 ppm Accuracy ±50.0 ppm ±5.0%
Temperature sensor	Range 0..+50°C
Relative humidity sensor	Range 0..100 %RH
VOC sensor	Range 1..500 VOC index points
Matter connection	Yes, Matter over Thread
Bluetooth®	Yes, for simple Matter provisioning (device setup) only
Display	Full-color 2" display with automatic brightness-adjusted backlight
Display modes	User adjustable various predefined display modes
Indications	Visual color-coded warnings for deteriorated or unhealthy air
Powering	USB Type-C socket or 5VDC terminal connector for LPS adapter
Dimensions	76 x 76 x 24mm
Mounting	Desktop or wall-mounted bracket with a security screw option
Smart home systems compatible with Matter-over-Thread	Apple Home Pod, Apple TV 4K, Google Nest Hub, Nest Hub mini. Also seamlessly integrates with Home Assistant app.

Powering

Number of DC inputs	2
Max power consumption	1 W