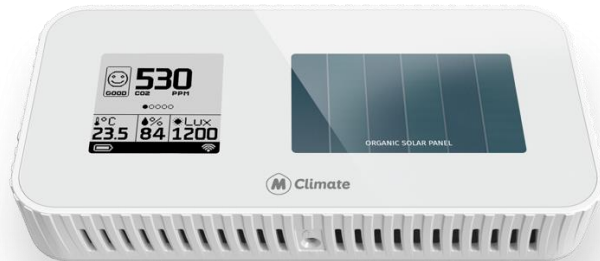




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MClimate introduces the CO2 Display Lite LoRaWAN® device a simplified version of the CO2 Display LoRaWAN®, 14.05.2024, Sofia, Bulgaria



Teaming up once more with our longstanding partner, Epishine, a leading indoor solar cell producer, we've developed another version of the MClimate CO2 Display LoRaWAN® - MClimate CO2 Display Lite LoRaWAN®. Ideal for any type of building such as schools, offices, public spaces, hospitals and etc. the device operates on batteries only and requires no maintenance.

Key indicators for measuring air quality and assessing potential health risks include carbon dioxide (CO₂) concentration, along with temperature and humidity levels. Monitoring the CO₂ content can signal for the need of ventilation which significantly reduces the risk of transmitting airborne diseases. Notably, the concentration of CO₂ levels in the room plays also an important role in optimizing room heating or cooling which leads to reduced energy costs. As the demand for smart devices that are monitoring, evaluating, and controlling the indoor air conditions has increased rapidly MClimate created a more compact version of the CO₂ Display LoRaWAN®.

The MClimate CO₂ Display Lite LoRaWAN® features an advanced temperature and humidity sensor, a LUX sensor, and an NDIR CO₂ sensor with a detection range of 400-5000ppm. With a smaller 1.54" e-ink screen, the device displays current CO₂ levels and historical trends, enabling users to manage their health effectively. It is entirely maintenance-free, no batteries option, relying solely on indoor solar panels for power, ensuring maximum sustainability. The MClimate CO₂ Display Lite can be mounted using the 3M double-sided tape on the back.

The data from the CO₂ Display Lite can be used in any LoRaWAN compatible system, incl. Building Management Systems to control demand-based ventilation. Sensor information can be exposed as datapoints in Modbus, BACnet and KNX systems through the use of a special gateway. In combination with the MClimate Enterprise software solution the MClimate CO₂ Display Lite LoRaWAN® enables ultimate monitoring, analytics and control of the indoor climate quality from one place.

"As part of our ongoing commitment to delivering the best-in-class smart LoRaWAN solutions, we have created an innovative device that is more compact in size and exclusively powered by solar energy and tailored to meet the specific needs of our customers." said Violeta Mitsova, Co-Founder and CCO at MClimate. "We strive for the highest quality on the market which is why we have collaborated with Epishine, to tier indoor solar cell producer, to developed a device that is entirely maintenance-free, environmentally friendly and sustainable."

In response to the increasing demand for high air quality management, the MClimate CO2 Display Lite LoRaWAN enhances well-being, improves energy efficiency, and sustainability in both existing and newly constructed buildings providing. Serving as a crucial tool for facility managers, building owners, and individuals, the compact CO2 Display Lite smart device aims to achieve an optimal indoor environment.

About MClimate

MClimate specializes in the development of IoT hardware devices and software solutions that prioritize energy efficiency, air quality, and water loss prevention to make any building smart. Through partnerships with global entities, technology providers, end-users, and institutions, we reshape buildings into sustainable places that enhance the well-being and health of their occupants. Moreover, we aid companies in achieving their ESG goals along the way.

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RELEVANT LINKS

Website: <https://mclimate.eu/>

CO2 Display Lite LoRaWAN®: <https://mclimate.eu/products/mclimate-co2-display-lite>

LinkedIn Profile: <https://www.linkedin.com/company/mclimate/>