

# Do you **know** how clean the air is in your living environment?

Even though you don't see it, there are particles in the air: tiny particles floating around that enter your body when you breathe in. It's also known that these particles can affect your health at concentrations below the formal European levels. With the CAIREHome™, you can now measure the air quality in your immediate vicinity. This sensor measures particulates, but also CO<sub>2</sub>. Because how do you know whether you can open a window or not when your building is located near a road? Not ventilating a room is also not good because then CO<sub>2</sub> levels will rise and could lead to a loss of concentration. It's therefore important to make the right assessment between the levels of CO<sub>2</sub> and particulates. The CAIREHome™ indicates both of these parameters and shows the air quality by means of a colour indicator.



**We CAIRE**  
Make policy smarter, the  
air cleaner and the living  
environment healthier.

# Measuring air quality with the CAIREHome™



A CAIREHome™ in the classroom, meeting room or living room will ensure you always know the quality of the air you breathe in. It's an easy-to-use, affordable plug & play solution that enables you to check the air quality in every room of the building at any time of the day. The smart colour indicator shows the levels of particulates and CO2 in the air. This will help you to respond immediately to the actual values: by opening or closing the windows. What's more, the app has a built-in alarm function, which notifies you directly when the set values have been exceeded. The CAIREHome™ provides you with all the knowledge you need to take steps in improving the air quality of your interior climate.

## Measuring particulates yourself

The CAIRE measurement technology has been developed by research institute ECN. ECN has years of experience in developing high-quality sensor technology for application in industry. This technology is now available to everyone through the CAIREBox™, the CAIRECube™ and the CAIREHome™.

## CAIREHome™ standard features

- Particulate sensor PM10, PM2.5, PM1
- CO2 sensor
- Concentration levels on display
- Colour indicator on display
- Plug & Play systeem
- Wi-Fi connection
- Back-up battery (>8 hours)

## Free web application

- Online access to measurement data
- Air quality information in the vicinity (via data sharing)
- Automatic software updates (via data sharing)

## Options

It is also possible to connect the CAIREHome™ in a network to the CAIRECube™, so that you can measure air quality both inside and outside.