

Mediarelease

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Sensirion Inside: CARU air - with fresh air against virus spread

Sensirion, the Swiss high-tech company, is proud that the AgeTech company CARU AG, integrates the SCD30 CO₂ sensor from Sensirion into its CO₂ measuring device "CARU air". Thanks to the clear and precise measurement of the CO₂ sensor, CARU air provides consumers the necessary security of knowing when it is time to open the window.

Ventilation is the new hand washing. Such or similar sentences can currently be read in various media. Virus control measures such as social distancing, hand washing and wearing a mask have already arrived in society. Ventilation is the most recent addition to this list that has emerged in light of findings that ejected aerosols of Corona infected persons can contain intact virus particles.

The CO₂ concentration is an important indicator of when and how much fresh air is needed in a closed room with many people (schools, meeting rooms, open-plan offices, co-working spaces, restaurants, fitness centers, hospitals, retirement and care centers, etc.). It has been shown that a lack of fresh air can quickly lead to an increased risk of infection with a virus since CO₂ concentration is typically correlated with the amount of exhaled particles in a room.

Thanks to CARU air, ventilation is built into everyday life. The CO₂ measuring device CARU air works like a traffic light, indicating when it is time to ventilate: at the earliest, yellow (1000 - 1399 ppm CO₂) and at the latest, red (> 1400 ppm CO₂). Since a few weeks, the first CARU air units have been installed in selected schools, offices, medical practices and retirement homes. The feedback: positive all around!

"Thanks to the sensor from Sensirion, we can ensure that CARU air determines CO₂ concentrations accurately and reliably", says Susanne Dröscher, Co-CEO of CARU AG. "We are glad to have found in Sensirion a Swiss supplier that guarantees our high standards of quality and reliability. After all, ventilation should be integrated into everyday life in a playful way and become a team sport - for young and old."

"We are proud that CARU AG relies on our sensors", says Marco Gysel, Product Manager CO₂ Sensors, Sensirion AG. "CARU air meets all requirements and indicates early on when a fresh air supply is needed in a room. Therefore, it optimally complements the protection concepts of different companies and institutions."

The first advance orders from large companies such as units of the ETH Zurich have already been received. CARU air can be conveniently ordered online at www.caruair.com. CARU air is soon to be available in other countries outside Switzerland.

More information about the SCD30 CO₂ sensor can be found at: www.sensirion.com/scd30

More about CARU air: www.caruair.com

How CARU air was founded

CARU AG is a worldwide leading AgeTech company based in Switzerland. Their core product: A voice-controlled emergency call for seniors with chat function. CARU air has recently been added to the portfolio. "The step from a voice-controlled emergency call to a CO₂ measuring device may seem a big one from the outside. In fact, by turning our vision into the core product, everything was already there that was needed for a cool CO₂ measuring device: an award-winning design and a high-quality CO₂ sensor from Sensirion," says Thomas Helbling, Co-CEO of CARU AG.

About Sensirion – Experts for Environmental and Flow Sensor Solutions

Headquartered in Stäfa, Switzerland, Sensirion AG is a leading manufacturer of digital microsensors and systems. Its product range includes gas and liquid flow sensors, differential pressure sensors and environmental sensors for the measurement of humidity and temperature, volatile organic compounds (VOC), carbon dioxide (CO₂) and particulate matter (PM2.5). An international network with sales offices in the USA, Europe, China, Taiwan, Japan and Korea supplies international customers with standard and custom sensor system solutions for a wide range of applications. Sensirion sensors are commonly used in the medical, industrial and automotive sectors, and in analytical instruments, consumer goods and HVAC products.

One of the hallmark features of Sensirion products is the use of its patented CMOSens® Technology, which allows for intelligent system integration of the sensor element, logic, calibration data and digital interface on a single chip. Sensirion's credentials as a reliable supplier are evident from its loyal customer base, reputation for quality (ISO/TS 16949) and excellent customer pedigree.