

Co2 MONITORING for K - 12 and HIGHER EDUCATION CLASSROOMS

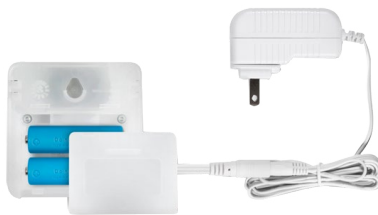
During a White House briefing on indoor air quality, October 11, 2022, Dr Joseph Allen stated, “I think we need to take the pulse of buildings regularly. We can take the pulse of our buildings using lower cost indoor air quality sensors that measure things like Co2, a proxy for ventilation. Indoor air quality monitoring should be the norm in every building, much like we measure temperature. Seeing an IAQ monitor on the wall should become as normal as seeing a thermostat.” With double blind studies completed, there’s validation for keeping Co2 levels low, 1200 PPM or lower, to improve cognitive learning, proven by higher reading and math scores.

The need for providing a low cost, accurate Co2 sensor is critical for classrooms to ensure a safe learning environment. Each sensor should have a visual display showing Co2, temperature, humidity and atmospheric pressure. The unit needs an AC plug-in option or powered by batteries (2 x AA) with a 4-year life span, with adjustment measurement interval options of 1, 2, 5, and 10 minutes. It will be compliant FCC, CE, IC requirements, have an audible alarm when exceeding thresholds and come with a secure anti-theft mounting device.

The software platform will provide historic data viewing for up to 10 years, export of files, have unlimited overview of multiple devices, E-Link display, cloud access with real-time readings and graphical display of each room and building. The software will also provide email alarm notifications, compatibility integration with any existing sensors and will tie into existing local monitoring or building management systems (BMS).



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[946X610](#)



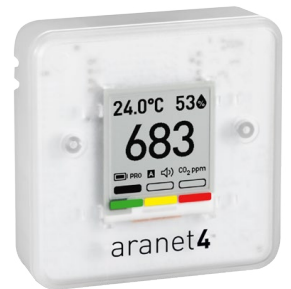
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