evolveplus

Indoor Air Quality Sensor with Remote Dashboard

CO2, Temperature, Humidity & Movement

Chose Battery or Mains Powered Sensors

Wireless Data Transfer via LoRaWAN

Remote Monitoring via Dashboard
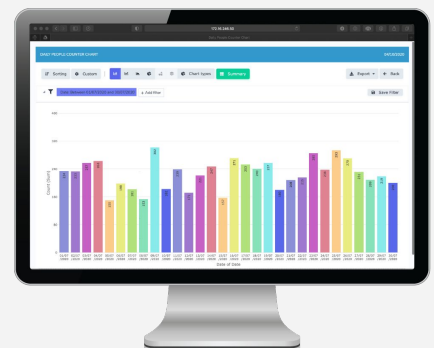
Easy Installation

European Designed and Built

The EvolvePlus Indoor Air Quality Sensors play an important role in improving productivity, health and wellbeing within a range of environments, including classrooms, meeting rooms, offices and other buildings.

Our IoT Indoor Air Quality Sensors is an advanced indoor climate sensor for LoRaWAN wireless network, measuring CO2 levels, temperature, humidity, and motion. Our centralised web dashboard provides remote monitoring of current and historical readings from multiple locations, with a traffic light display on the sensor available to provide live alerts (without having to use the web dashboard).

Many of today's heavily insulated buildings can be detrimental to good health. Poor ventilation can result in lower oxygen levels and a build-up of carbon dioxide (CO_2). Even moderate levels of CO_2 can have a negative impact on people's health as they may experience drowsiness and have difficulty concentrating. Our IoT Sensors enables real-time CO2 monitoring for staff to accurately measure and adjust indoor air quality.

Model Comparison

	Air Quality Sensor	Air Quality Sensor Pro Editio	Air Quality Sensor with Display	Air Quality Sensor with Display: Pro Edition	Air Quality Sensor Basic Edition
CO_2 Monitoring	✔+	✔++	✔+	✔++	
Temperature	✔	✔	✔	✔	✔
Rel. Humidity	✔	✔	✔	✔	✔
Movement	✔	✔		✔	✔
LCD Display			✔	✔	
Power	Lithium Battery	Lithium Battery	DC Adapter (Mains)	DC Adapter (Mains)	Lithium Battery
Mounting	Wall	Wall	Wall	Wall	Wall
Data Transfer	Wireless LoRaWAN AS923	Wireless LoRaWAN AS923	Wireless LoRaWAN AS923	Wireless LoRaWAN AS923	Wireless LoRaWAN AS923
Analytics	Cloud	Cloud	Cloud	Cloud	Cloud

+ CO_2 Accuracy ±50ppm (Standard edition)　　　++ CO_2 Accuracy ±30ppm (Pro edition)

General Features

❏ Easy "plug & play" installation
❏ Choice of battery-powered or mains-powered sensors
❏ Long range wireless data connectivity via LoRaWAN
❏ Remote monitoring from centralised dashboard
❏ European designed and built

❏ Display on sensor with live data and traffic light colour alert available
❏ Integrate data into your own IoT analytics dashboard
❏ Exceptional after sales support
❏ 1 Year Warranty

Our Air Quality and People Counter sensors can be easily integrated within your organisation's existing LoRaWAN IoT platform by transmitting data to LoRaWAN networks such as *The Things Network*. The optional cloud delivered EvolvePlus Dashboard allows users to analyse maximum and average CO2 levels, temperature, relative humidity and movement (motion) by hour, day, week, month, and year.

Specifications

Dimensions:	88 x 88 x 25 mm
Colour:	White / ABS
Power Supply:	2 x 3.6v AA Lithium Batteries
	5V AC-DC Adapter (Display Model)
Communication:	Wireless LoRaWAN (AS923 Region)
Configuration:	NFC
CO_2 Measurement Range:	400 - 5000ppm
CO_2 Accuracy	±50ppm (Standard edition)
	±30ppm (Pro edition)
Temperature Accuracy Tolerance :	±0.2°C @ 0-65°C
Humidity Accuracy Tolerance:	±2% @ 10-90%
Movement Detection Range:	5m