

# SynAir

AIR QUALITY MONITORING SYSTEM



SYNELIXIS

2025

# SynAir

With many years of experience in automation and information technology, building on partnerships with universities and research centers, Synelixix presents **SynAir.**

**SynAir** is Synelixix' innovative solution, coming as an extension to SynField, which can detect and measure air quality characteristics.

## **The professional air quality monitoring system**

**SynAir** supports a plethora of sensors capable to detect and measure air quality characteristics such as, temperature, relative humidity, barometric pressure, CO<sub>2</sub>, particulate matter (PM 1.0, PM 2.5, PM 4, PM 10), total volatile organic compounds (VOC), NO<sub>2</sub>, CO, O<sub>2</sub>, Ozone, and NO<sub>2</sub>.



## How it works

**SynAir** is a versatile sensor platform that can accommodate a multitude of Air Quality sensors. The device is specially designed to connect to the SynField nodes (X3 and X5).

SynAir can support up to **six** digital gas sensors and one Particulate Matter (PM) sensor. The device integrated an enclosure fan, for better air circulation and more precise measurements. Furthermore, it has **low power** dissipation and can be used in solar/battery powered applications.

There are three SynAir versions that accommodate different sensors. These versions can be further configured to measure additional gas/parameters.



Remote Control & Monitoring

6

6 Digital Gas Sensors



Enclosure Fan for better air circulation



Can be used in solar/battery powered applications.



# SynAir Versions



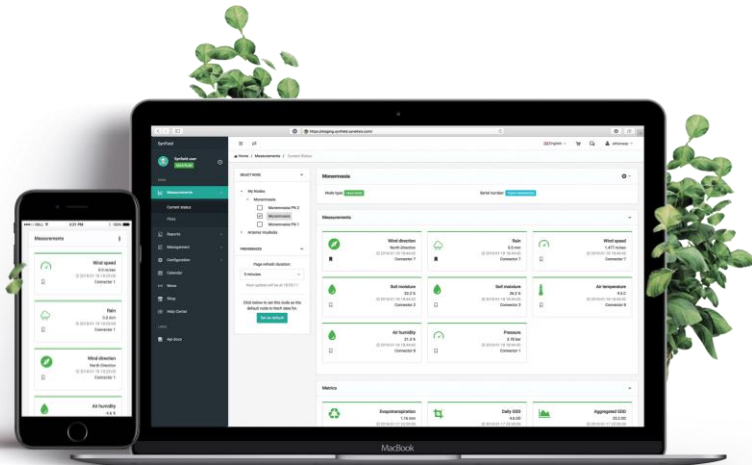
	SYNAIR BASIC	SYNAIR CITY	SYNAIR CITY+
Temperature	*	*	*
Relative humidity	*	*	*
Barometric pressure	*	*	*
CO <sub>2</sub>	*	*	*
Particulate Matter (PM1.0, PM2.5, PM4, PM10)		*	*
Total volatile organic compounds (VOC)		*	*
NO <sub>2</sub> Detection		*	*
CO Detection		*	*
Ethanol Detection		*	*
CO			*
O <sub>2</sub>			*
Ozone			*
NO <sub>2</sub>			*

SynAir can be modified in order to support additional gas sensors such as NH<sub>3</sub>, H<sub>2</sub>S, SO<sub>2</sub>, CL<sub>2</sub> and more.

# SynAir and the SynField Cloud Platform

The measurements of air quality characteristics are sent from the **SynAir** device to the **SynField platform**. Thus, the data are available, wherever you are through your desktop or your mobile device! Monitor the air quality characteristics remotely. Through the SynField platform the user can also access historical measurement data.

You can set **alerts** so that you are automatically **notified** in case any of the criteria you set are met.



Monitor the air quality characteristics remotely 24/7 from your computer or mobile device, wherever you are.

# SYNELIXIS

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