

enLink IAQ Plus

LoRaWAN Indoor Air Quality Monitor

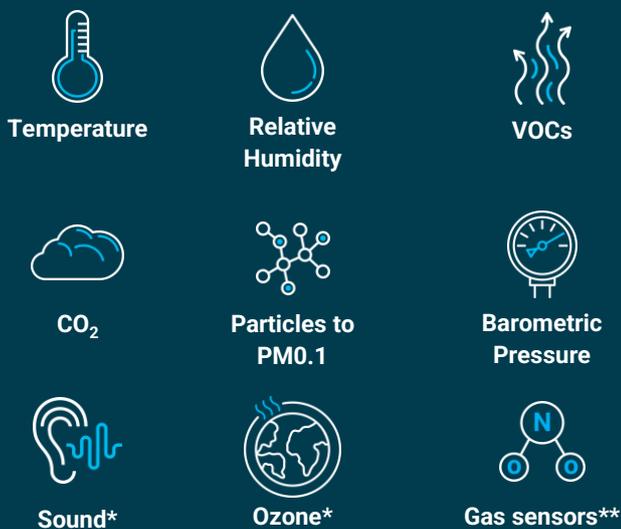
Synetica's enLink IAQ Plus indoor air quality monitor measures key environmental parameters continuously and in real time with the exacting accuracy required for projects wishing to adhere to WELL® and RESET® building standards. This advanced system monitors ultrafine particulate matter (PM0.1) which are responsible for up to 90% of indoor airborne particles.

Designed and manufactured in the UK, the enLink IAQ Plus allows for easy visualization and analysis of air quality data including temperature, relative humidity, particulate matter, CO₂, ozone, CH₂O, CO, NO₂, H₂S, SO₂, O₂, volatile organic compounds, barometric pressure and sound levels.

The enLink IAQ Plus can be externally powered from 12-24V DC or via a PoE splitter ensuring flexible installation options. Data is transmitted up to 16km using LoRaWAN long-range wireless with building, interior penetration of 1-2km without repeaters.



Sensed Parameters



Key Features

-  Measures particulate matter to PM0.1
-  Key environmental parameters monitored
-  Stylish, discreet design
-  Helps meet WELL® and RESET® building standards
-  LoRa™ wireless, up to 16km range
-  Certification to ISO 21501-4 cleanroom standard available⁺
-  Subscription free, easy to analyse data

* Model dependent

** Including CH₂O, CO, NO₂, SO₂, H₂S, O₂

enLink IAQ Plus – LoRaWAN, Indoor Air Quality Monitor

Established in 2008, the engineering team at Synetica have many years experience in monitoring and analysing critical environmental information for the facilities management, commercial and industrial sectors.

Many businesses are monitoring and regulating air quality in order that they comply with increasingly stringent government standards or to simply negate the effects of contaminated air on public and employee health.

Synetica's air monitoring solutions integrate seamlessly with green building design and smart technology platforms helping companies achieve WELL® and RESET® compliance and supporting national air pollution control schemes. In addition, the IAQ Plus particle sensor is available with certification to ISO 21501-4 cleanroom standard*.

Combining our extensive manufacturing capabilities with our acquired knowledge, we work with a diverse range of customers from power generation plants and retail outlets, through to large scale public infrastructure projects and prestigious commercial property developments.

If you have a specific requirement for an air, environmental, energy or asset monitoring solution, contact us to learn more about how our precision monitoring technologies could help.

Specifications

Temperature	Accuracy: $\pm 0.2^{\circ}\text{C}$ (typical) Range: -20°C to $+50^{\circ}\text{C}$
Humidity	Accuracy: $\pm 2\%$ RH (typical) Range: 0 – 100% RH (non-condensing)
Pressure	Accuracy: $\pm 0.12\text{hPa}$ (equivalent to $\pm 1\text{m}$ in altitude)
Ozone[#]	Range: 0ppb to 2ppm. Accuracy: $\pm 0.10\%$ (200ppb)
Particulate matter	Particles measured: PM 0.1, 0.3, 0.5, 1.0, 2.5, 5.0 & 10 Certification to ISO 21501-4 Cleanroom Standard available*
Sound[#]	Sensitivity: $-26\text{dB FS} \pm 1\text{dB}$ Dynamic range: 91dBA
Gas sensor[#]	Accuracy: $\pm 5\%$ F.S ($\text{CH}_2\text{O} \pm 10\%$)*
VOC's	VOC IAQ Index and ppm (bVOC) Range: 0 – 500 IAQ
CO₂	Accuracy: $\pm (30\text{ppm}, +3\%$ of reading) Range: 0 – 5,000 ppm

*Refer to enLink IAQ Datasheet for additional gas modules and specifications

[#]Optional sensors

*Individual calibration to ISO21501-4 available on Model IAQ Plus-ISO

About us



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