AIR QUALITY

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, CO_2, ozone, CH_2O, CO, NO_2, H_2S, SO_2, O_2, 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

- Temperature
- Relative Humidity
- VOCs
- CO_2
- Particles to PM0.1
- Barometric Pressure
- Sound*
- Ozone*
- Gas sensors**

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 CH_2O, CO, NO_2, SO_2, H_2S, O_2

www.synetica.net

enLink IAQ Plus – LoRaWAN, Indoor Air Quality Monitor

Europe & UK Distributor for Synetica
CONCEPT13.co.uk
LoRaWAN® Technology Experts

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: ±0.2°C (typical) Range: -20°C to +50°C
Humidity	Accuracy: ±2% RH (typical) Range: 0 – 100% RH (non-condensing)
Pressure	Accuracy: ±0.12hPa (equivalent to ±1m in altitude)
Ozone#	Range: 0ppb to 2ppm. Accuracy: ±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: -26dB FS ±1dB Dynamic range: 91dBA
Gas sensor#	Accuracy: ±5% F.S (CH_2O ±10%)*
VOC's	VOC IAQ Index and ppm (bVOC) Range: 0 – 500 IAQ
CO_2	Accuracy: ± (30ppm, +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

Synetica was established in 2008 with the simple idea to revolutionise air quality monitoring, energy usage and remote asset monitoring. Our global customer base relies on our expertise to help them reduce emissions and clean up the air they breathe by allowing them to monitor their energy usage and key environmental parameters via the touch of a button.

WELL HEALTH-SAFETY RATED

www.synetica.net

T: +44 (0)1785 818919 E: enlink@synetica.net

Synetica Limited, Hilton House, 40 High Street, Stone, Staffordshire. ST15 8AU UK

synetica