

# enLink IAQ

## LoRaWAN Indoor Air Quality Monitor

Synetica's enLink IAQ 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.

Designed and manufactured in the UK, the enLink IAQ allows for easy visualization and analysis of air quality data including temperature, relative humidity, particulate matter, CO<sub>2</sub>, ozone, CH<sub>2</sub>O, CO, NO<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub>, O<sub>2</sub>, volatile organic compounds, barometric pressure and sound levels.

The enLink IAQ can be battery or externally powered 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<sub>2</sub>



Particles PM1, 2.5, 4, 10



Barometric Pressure



Sound



Ozone\*



Gas sensors\*\*

### Key Features



Detailed, accurate measurements



Key environmental parameters monitored



Stylish, discreet design



Helps meet WELL® and RESET® building standards



LoRa™ wireless, up to 16km range



MCERTS certified particulate matter sensor



Subscription free, easy to analyse data

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. The enLink IAQ features a particulate matter sensor providing MCERTS certified data.

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.

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

<b>Temperature</b>	Accuracy: $\pm 0.2^{\circ}\text{C}$ (typical) Range: $-20^{\circ}\text{C}$ to $+50^{\circ}\text{C}$
<b>Humidity</b>	Accuracy: $\pm 2\%$ RH (typical) Range: 0 – 100% RH (non-condensing)
<b>Pressure</b>	Accuracy: $\pm 0.12\text{hPa}$ (equivalent to $\pm 1\text{m}$ in altitude)
<b>Ozone</b>	Range: 0ppb to 2ppm. Accuracy: $\pm 0.10\%$ (200ppb)
<b>Particulate matter</b>	MCERTS Certified. EN 15267 compliant. Particles measured: PM0.5, PM1, PM2.5, PM4 & PM10
<b>Sound</b>	Sensitivity: $-26\text{dB FS} \pm 1\text{dB}$ Dynamic range: 91dBA
<b>Gas sensor</b>	Accuracy: $\pm 5\%$ F.S ( $\text{CH}_2\text{O} \pm 10\%$ )
<b>VOC's</b>	VOC IAQ Index and ppm (bVOC) Range: 0 – 500 IAQ
<b>CO<sub>2</sub></b>	Accuracy: $\pm (30\text{ppm}, +3\%$ of reading) Range: 0 – 5,000 ppm

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

## 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.



[www.synetica.net](http://www.synetica.net)

**T: +44 (0)1785 818919** **E: [enlink@synetica.net](mailto:enlink@synetica.net)**

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

