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AIR QUALITY

enLink Zone 2

LoRaWAN Workplace Air Quality Sensor

Synetica's enLink Zone 2 continuously monitors key environmental factors in the workplace to provide useful and actionable data for both employees and building managers to help with the maintenance of healthy, favourable working conditions.

The enLink Zone 2 monitors a range of key environmental factors* including temperature, relative humidity, VOCs, CO_2, light level (LUX) and presence sensing, giving users the ability to track and measure critical environmental parameters across a variety of different businesses from office blocks to hospitals.

Designed and manufactured in the UK, the enLink Zone 2 is a simple to install, battery powered unit which offers users a low cost, customisable option without any ongoing subscription fees.

Data from the sensor is transmitted using LoRaWAN long-range wireless, providing real-time details for employees and cloud-led information for building managers.

**Model Dependent*

Applications

- Homes
- Healthcare
- Commercial
- Hospitality
- Retail
- Education

Key Features

- Detailed, accurate measurements
- Actionable data for a healthy workplace
- Stylish, discreet design
- Easy configuration via USB/downlink
- LoRa™ wireless, up to 16km range
- Real-time information
- Key environmental parameters monitored

enLink Zone 2 – LoRaWAN Workplace Air Quality Sensor

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

By monitoring key environmental factors in the workplace, Synetica's enLink Zone 2 provides a layer of digital protection which enables building managers and property landlords to take a proactive approach when certain conditions are highlighted e.g. low temperatures and high humidity can lead to a build-up of mould and mildew which has been linked to serious health implications, especially for people with respiratory problems, respiratory infections, allergies or asthma.

The enLink Zone 2 is available in three models:

Zone 2	Temperature	Relative Humidity	Light Level	VOC's	CO_2	Occupancy
Model 1	•	•	•	•	•	•
Model 2	•	•		•	•	
Model 3	•	•				

The enLink Zone 2 has qualified for the Works with WELL license, a program offered by the International WELL Building Institute (IWBI) to celebrate products that align with specific health strategies in the WELL Building Standard, the leading global standard for health. The achievement of this license demonstrates Synetica's commitment to advancing environmental monitoring in the workplace.

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) Repeatability: ±0.1°C Range: -40 - 85°C Response time τ63%: 2s
Humidity	Accuracy: ±1.8% RH(typical) Range: 0 – 100 % RH Repeatability: ±0.25% Response time τ63%: 4s
VOCs*	IAQ Index 0 to 500 TVOC level (ppm) Variability ±15% (typical) Response time: ($t\tau$33-63%) 1 s
Pressure*	Accuracy: ±0.12hPa (equivalent to ±1m in altitude) Range (with full accuracy) :300 -1100hPa Resolution: 0.18Pa
CO_2*	Sensing method: NDIR Accuracy: ±(50ppm, +3%) of reading Range: 0 – 10,000 ppm Compliance: ANSI/ASHRAE 62.1-2022, RESET grade B and WELL v2. Sensor life expectancy: >15 years
Occupancy*	High-sensitivity infrared presence and motion detection Detection distance: 4m Detection area: 80° field of view
Light level*	Less than 4% error Precision optical filtering to match human eye: Rejects > 99% of IR (typical) Range: 0.01 lux to 83,000 lux Light source variation (incandescent, halogen, fluorescent): 4%
Batteries	Type: 2 x AA 3.6 Volt Lithium Life expectancy#: 3 Years+
Wireless	Protocol: LoRaWAN, Range: Up to 16km Frequency: EU868MHz*, US915MHz* and AU915MHz*
Certification	CE, FCC, UKCA, ROHS
Dimensions	86 x 86 x 25mm

*Model Dependent
Dependent on factors including transmission interval, signal strength and temperature

About

Manufacturers 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.

MADE IN BRITAIN®

WORKS WITH WELL