

enLink Zone View

LoRaWAN Workplace Air Quality Sensor

Synetica's enLink Zone View 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 View monitors a range of key environmental factors* including temperature, relative humidity, VOCs, CO₂, 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 View is a simple to install, battery powered unit which offers users a low cost, customizable 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. The display unit is a discreet, stylish design featuring an easy-to-read, e-paper user screen.

**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



E-paper user display

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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 View 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 View is available in three models:

Zone View	Temperature	Relative Humidity	Light Level	VOC's	CO ₂	Occupancy
ENL-ZV-LVCM	•	•	•	•	•	•
ENL-ZV-VC	•	•		•	•	
ENL-ZV	•	•				

The enLink Zone View 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.

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.

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Specifications

Temperature	Accuracy: $\pm 0.2^{\circ}\text{C}$ (typical) Repeatability: $\pm 0.1^{\circ}\text{C}$ Range: $-40 - 85^{\circ}\text{C}$ Response time $\tau_{63\%}$: 2s
Humidity	Accuracy: $\pm 1.8\%$ RH (typical) Range: 0 – 100 % RH Repeatability: $\pm 0.25\%$ Response time $\tau_{63\%}$: 4s
E-paper display	Size: 2.7" Type: a-Si active matrix TFT e-paper Resolution: 264 x 176 (117dpi) Viewing angle: Super wide, near 180°
CO₂*	Sensing method: NDIR Accuracy: $\pm (50\text{ppm} + 3\%)$ of reading Range: 0 – 10,000 ppm Compliance: ANSI/ASHRAE 62.1-2022, RESET grade B and WELL v2. Sensor life expectancy: >15 years
VOCs*	IAQ Index 0 to 500 TVOC level: Max, Min and Average (mg/m^3) Accuracy: ± 1 IAQ Index value Variability $\pm 10\%$ (typical)
Motion / Presence*	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
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

