AIR QUALITY

enLink IAQ Vape

LoRaWAN Vape & Smoke Detector

Synetica's enLink IAQ Vape accurately and continuously monitors indoor spaces to detect cigarette or e-cigarette smoke and vaping particles.

The enLink IAQ Vape alerts building managers when someone is smoking or vaping in restricted areas. These easy to install, discreet detectors are a simple way for schools and businesses to ensure that rules on smoking and vaping are adhered to. The installation of the enLink IAQ Vape provides a cost-effective, subscription free method of monitoring cigarette and vaping habits where cameras cannot be installed due to legalities e.g., in bathrooms and toilet facilities.

The enLink IAQ Vape 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

- Detailed, accurate measurements
- Distinguishes between vaping and smoke and counts the number of detections
- Stylish, discreet design
- Helps ensure compliance with smoking laws in public spaces
- LoRa™ wireless, up to 16km range
- Easy to install
- Subscription free, easy to analyse data

* Model dependent

** Including CH_2O, CO, NO_2, SO_2, H_2S, O_2

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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, commercial and industrial sectors.

Many businesses are monitoring vaping and smoking in businesses, schools and other public buildings in order that they comply with laws on the use of cigarettes and e-cigarettes indoors. In addition, detectors such as the enLink IAQ Vape can also help to negate the effects of contaminated air on public and employee health.

Synetica's range of 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

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
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

About us

Synetica was established in 2008 with the simple idea to revolutionise air quality monitoring,

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