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# NX-VAPE

## Alertex Vape / Particulate Sensor

The Alertex NX-VAPE is an advanced environmental monitoring device designed for the reliable detection of vaping, smoking, and airborne particulates. Engineered with intelligent sensing technology, it accurately identifies vape and smoke signatures while minimising false alarms from common aerosols such as deodorants and cleaning sprays.

Suitable for both education, commercial, and residential environments, the NX-VAPE provides dependable, real-time monitoring to support safer and more compliant indoor spaces.



- **Vape, Smoke and pollutants:** Measurement down to 1 microns with Volatile Organic Compounds (VOC) and Nitrogen Oxide (NO) provides accurate monitoring of air quality.
- **Rapid Alerts:** Instant alerts delivered to multiple users via SMS and email. (Requires Internet connection and a Twilio account)
- **On-Screen Alert Integration** (Desktop Notifications) - Alerts are displayed prominently to ensure staff are immediately informed and can take appropriate action without delay.
- **Easy Installation:** Quick installation with Bluetooth provisioning and intuitive web-based configuration interface.
- **Choice of connectivity:** Use either Wi-Fi or ethernet.
- **Power requirements:** 12 volts DC or Power over Ethernet (PoE).
- **High power audible output:** Configurable to higher volume or muted as preferred.
- **Relay Output:** Features a volt-free relay output to interface with external systems, allowing automatic triggering of alarms or access control. (Requires additional equipment)
- **Self-maintaining:** Features automatic periodic self-cleaning (airflow flushing) of the sensor chamber and optical components, reducing maintenance requirements and ensuring long-term accuracy.
- **Anti tamper:** Notifies by on screen notification, text and email when the sensor is interfered with.
- **Motion detection:** Microwave sensor detects the presence of people to help verify the event.
- **10-year superior lifetime:** Built with high-strength materials to ensure long-lasting durability and reliability.
- **British made:** Designed and manufactured entirely in the UK with a support team to assist with design and installation.



## How it Works

Particulates or E-cig vapour activate  
NX-VAPE sensor



Notifications via texts and emails

## Technical Specifications / Audio output

<b>Monitored</b>	NO, PM, RH, T, VOC	NO: Nitrogen Oxide
<b>Particulates Matter Sensing</b>	1 to 10 microns	PM: Particulate Matter
<b>Response time</b>	Typically 10 seconds	RH: Relative Humidity
<b>Wi-Fi</b>	802.11n 2.4GHz up to 150Mbps	T: Temperature
<b>Bluetooth</b>	+9 dBm transmitting power	VOC: Volatile Organic compounds
<b>Microwave</b>	2.4Ghz 1mw	
<b>Audio output</b>	5.8Khz with configurable db range	
<b>Power consumption</b>	150mA on PoE	
<b>Alternative power supply</b>	12 volts DC	
<b>Operating temperature</b>	-10C +50C	
<b>Product life</b>	10 years	
<b>Impact Rating</b>	IK08 (will withstand 1.7kg mass dropped from 30cm)	

## Dimensions

