



SENTINELIQ

AIR QUALITY MONITORING

POWERED BY
attune

Real-Time Air Quality Monitoring and Alerting for Stations and Apparatus



STATION 11

Firefighters and first responders are exposed to many harmful contaminants in the course of doing their job. From Volatile Organic Compounds (VOC's), particulate matter, and exposure to contagious pathogens.

This repeated high level of exposures to chemicals such as acetone, benzene, styrene, xylene, CO, and more...are just some of the reasons firefighters are more than TWICE as likely to have to enter the fight against cancer.

Never before have first responders known where they are routinely getting exposed or what they are exposed to.

Until now...with the **Sentinel IQ**....



NOW YOU KNOW

WHY MONITOR AIR QUALITY?

The Sentinel IQ, powered by Senseware is an accurate indoor air quality monitoring system that alerts you on the level and nature of pollution in your air, enabling corrective action.

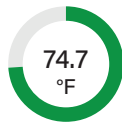


REAL-TIME AIR QUALITY MONITORING

3 Configurations Available

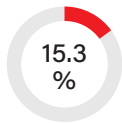
- 1 Sentinel IQ-CO**
Temperature + Humidity (T/H)
Carbon Monoxide (CO)
Carbon Dioxide (CO₂)
Volatile Organic Compounds (VOC)
Particulate Matter 0.3-1.0, 2.5, 10
Ventilation Performance Index
Mold Growth Index
- 2 Sentinel IQ-Ion:**
Sentinel IQ-CO (except for CO) plus Ions
- 3 Sentinel CAPP Program**
Design your own sensor pack.
Specialty sensors include:

Hydrogen Sulfide (H₂S)
Ozone (O₃)
Nitrogen Dioxide (NO₂)
Sulfur Dioxide (SO₂)
Light
Motion/Occupancy
Sound, Vibration, Pressure
Formaldehyde (HCHO)
HCN



TEMPERATURE

Higher temperature (above 85 degrees) results in higher VOC offgassing rates. Can also indicate remotely if the vehicle heating or cooling system is operating properly.



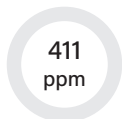
HUMIDITY

Studies have show relative humidity levels below 40% increases the risk of transmission of Covid-19. When relative humidity levels are below 40% and above 80%, viruses can survive for extended periods in the air and on hard surfaces.



VOLATILE ORGANIC CHEMICALS

WHO categorized diesel fumes as carcinogenic falling into the same category as asbestos and arsenic. The VOC sensor picks up many of the hazardous VOC's present in diesel fumes.



CARBON DIOXIDE (CO₂)

Carbon dioxide at levels that are unusually high may cause occupants to grow drowsy, to get headaches, or to function at lower activity levels. CO₂ is also used as an indicator of proper ventilation performance



PM 0.3, 0.5, 1, 2.5, 5, 10

The only remote monitoring sensor that captures:

PM10 : Inhalable particles like dust, pollen and mold.

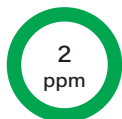
PM2.5 : Fine inhalable particles from sources like vehicle exhaust, smoke and cooking gas.

PM0.1 - 0.3: Ultra fine particles like COVID-19 and other viruses



ION CONCENTRATION (OPTIONAL)

The only remote monitored Ion sensor in the industry. Validates the performance of The Sentinel Purifier. High Ions will result in lower VOC's and PM's of all sizes.



CARBON MONOXIDE (CO)

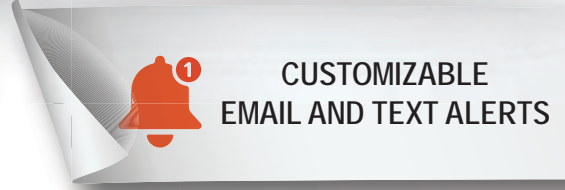
CO is a colorless, odorless gas that can kill you. The most common symptoms of CO poisoning are headache, dizziness, weakness, upset stomach, vomiting, chest pain, and confusion.



— TOXIC —
SUPPRESSION

attune CLOUD CORE

The Sentinel IQ platform is unmatched across the industry with impressive real-time analytics capabilities.



PLACE YOUR MODULES IN KEY AREAS



BUNKER GEAR / STORAGE ROOMS



BUNK ROOMS / COMMON AREAS



CONFERENCE ROOMS



FIRE APPARATUS / AMBULANCES



CERTIFICATIONS

UL-2095

Preliminary data shows Grade A for T/H/CO2/PM2.5 TVOC still under analysis

WELL

Compliant with the WELL Standard for continuous monitoring

RESET

Exceed the requirements for the RESET certification

FITWEL

Compliant with Fitwel Enhanced Indoor Air Quality Monitoring Policy

Contact us to Schedule a Demonstration

1 409 724-1704
info@toxicsuppression.com



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ENDORSED BY:



TRUSTED BY:



KANSAS STATE
UNIVERSITY

Schneider
Electric

SIEMENS

NOW THAT **YOU KNOW...**

Visit our website to learn how to take corrective action and purify your contaminated air with The Sentinel system and its patented Needlepoint Bipolar Ionization (NPBI™) technology.



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