



# Cerex Air Sentry

## FTIR Multi-Gas Analyzer



Rapid, real-time fenceline and zone monitoring of **Air Toxics, Hazardous Air Pollutants, Combustion Gases, Alkanes, VOC's and hydrocarbons** all at low parts per billion (ppb) levels

### Features

- 20-year proven track record detecting HAP's, VOC's, Acids, Organics, and more
- Detection of 2023 US EPA "HON" gases (ie. Benzene, Butadiene, Ethylene Dichloride, Ethylene Oxide (EtO), Vinyl Chloride, and Chloroprene)
- Extremely low minimum detection limits (parts per billion) & broadband FTIR sensitivity
- Field ruggedized sealed design for harsh industrial climates
- Low cost of ownership, no-maintenance design; only 2 consumables: IR source and cryocooler compressor
- 0.6 wavenumber, high resolution spectrometer with 2-year cryocooled detector
- Data output rates typically 15 sec. to 2 min
- Full remote control over network or internet; cellular-ready
- Continuous, automated background update - no cylinder gases or zero air required to update backgrounds
- No calibration required; can be verified using certified gas cylinders
- User-configurable gas library with access to 350 compounds
- Raw spectrographic information saved in .csv format for instant or post analysis, compared to "black box" solutions
- Software QA factors screen data to prevent false positives
- Built-in air conditioner - operation in hot desert climates



Cerex Monitoring Solutions places customer service and support as its highest priority and commits to long standing relationships that do not end after the sale of an analyzer



FENCELINE MONITORING



TANK FARM



LEAK DETECTION



AMBIENT MONITORING

## Over 100 systems fielded in 2019 alone

The AIR SENTRY FTIR is world-renown for its sensitivity, reliability, and durability thanks to a carefully engineered design that prevents excess maintenance and cost.

It identifies gases and quantifies the concentration with user detectable alarm limits. A wide gamut of volatile gases from Sulfur Dioxide to alkanes are available for targeting with laboratory-sensitive quality (low parts per billion detection limits).

Combined with Cerex's comprehensive software, stakeholders can access results in real-time from any location; full control is available via the integrated touchscreen, or remotely via WiFi or cellular network.

Since its introduction over 20 years ago, the reputable AIR SENTRY and Cerex retroreflectors continue to serve government agencies, petrochemical refineries, and more across the globe.



**Retroreflector**  
Aligns with Air Sentry FTIR

**Air Sentry FTIR**  
Mountable on tripod or stainless steel column for permanent installation

### General Specifications

<b>Analyzer Model</b>	Cerex Air Sentry FTIR
<b>Analyzer Type</b>	Open Path FTIR multi-gas / single gas or mixtures
<b>Applications</b>	Fenceline Monitoring System (FLMS), Brownfield Remediation, Chemical Depot Monitoring, Manufactured Gas Plant Remediation (MGP), Perimeter Ambient Monitoring System (PAMS), Superfund Site Remediation, Tank Farm Monitoring
<b>Minimum Detection Limit</b>	Gas-specific, typical parts per billion
<b>Method Compliance</b>	<ul style="list-style-type: none"> <li>✓ 40 CFR 63.658 (MACT)    ✓ BAAQMD Rule 12-15    ✓ NIOSH Method 3800</li> <li>✓ EPA Method 15, 318, 320, 321, 325 and TO-16    ✓ ASTM Method D6348-03</li> </ul>
<b>Instrument Cooling</b>	Thermoelectric air conditioner
<b>Operating Conditions</b>	<p><b>Temperature</b>    -40°C to +60°C</p> <p><b>Humidity</b>        0 to 100% non-condensing</p> <p>General purpose atmospheres - rated for HAZLOC zones (optional)</p>
<b>Installation</b>	Stainless steel mount for fixed permanent installation, or tripod
<b>Interface</b>	Integrated touchscreen PC with MS Windows™ 10/11 OS USB, WiFi, ethernet ports



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