

Cerex UV Hound

UV-DOAS Multi-Gas Analyzer

Designed for extremely sensitive, transportable point detection of **individual species** (such as Benzene, Chlorine, Butadiene, Carbon Disulfide, Sulfur Dioxide, Naphthalene, and more)



Features

- Benzene (1.0 ppb) and other gases down to low parts per billion minimum detection limits (gas specific) within seconds; optional sensors for non-UV gases
- Compliance with 2023 EPA "HON" standards for Benzene, 1,3-Butadiene, and Chloroprene
- Easy to operate, all-in-one package - portable by wheels/handles or fixed installation available
- Low cost of ownership, no-maintenance; only 3 consumables: UV lamp, sample & case air filters
- 4-hour internal battery, or up to 14-hour battery life with external batteries; continuous operation on AC power
- Internal optical path length up to 22 meters
- Results available in real-time - data output rates from 15 sec. to 5 min
- User-configurable open-source gas library
- Full remote control over network or internet - cellular-ready
- Continuous, automated background update - no cylinder gases or zero air required to update backgrounds
- Raw spectrographic information in .csv format for instant analysis, compared to "black box" solutions
- No calibration required; can be challenged or QA verified using certified cylinder gases



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.



ODOR COMPLAINT



HAZMAT RESPONSE



INDOOR AIR MONITORING



FENCE LINE MONITORING

With over a decade of use by emergency personnel, government agencies, and industry, the UV HOUND is a proven, highly dependable analyzer for the accurate and sensitive monitoring of single gases and mixtures.

Cerex's UV HOUND is the **most cost effective solution for continuous monitoring of parts per billion levels** with real time speciation of BTEX, Ammonia, Nitric Oxide, Nitrogen Dioxide, Sulfur Dioxide, and more gases.

Benzene in particular can be detected down to 1.0 ppb; this capability is one of many reasons why some of the world's largest petrochemical refineries deploy the UV HOUND in their monitoring challenges.

Side Handle

Sample Inlet Quick Connector



Status LED | Power Button

Piezo Alarm

Wind Sensor Connector

Top Handle

External Battery Connector

AC Power Connector

USB Port

Sample Exhaust Port

Touchscreen PC with remote access

Wheels (Underneath)

General Specifications

Analyzer Model	UV Hound (Standard Model)
Analyzer Type	Portable point multi-gas UV-DOAS
Applications	Refinery fence-line monitoring of Benzene, Toluene, and Xylenes (BTEX), Brownfield Remediation, Chemical Depot Monitoring, Manufactured Gas Plant Remediation (MGP), Perimeter Ambient Monitoring System (PAMS), Superfund Site Remediation, Tank Farm Monitoring
Minimum Detection Limit	Gas-specific, typical parts per billion
Instrument Cooling	Air cooled (optional TE air conditioner)
Operating Conditions	Temperature 0°C to +50°C Humidity 0 to 100% non-condensing Rain Direct Exposure Rated Dust/Sand Direct Exposure Rated General purpose atmospheres - not rated for HAZLOC zones
Installation	Portable or permanent installation within shelter
Interface	Integrated touchscreen PC with MS Windows™ OS USB, ethernet ports



View Details