

# Cerex MicroHound

## UV DOAS Multi-Gas Analyzer

Designed for extremely sensitive, transportable point detection of **individual species** (such as NO<sub>x</sub>, Benzene, Chlorine, Butadiene, Carbon Disulfide, Sulfur Dioxide, Naphthalene, and more)



### Features

- Benzene (5 ppb) and other gases down to low parts per billion minimum detection limits (gas specific) within seconds; optional sensors for non-UV gases
- 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 5 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

Building upon over a decade of success with the UV HOUND, the Cerex MICROHOUND uses the same proprietary technology and laboratory-sensitive quality as its reputable bigger model - in an even smaller, lighter, and more compact casing.

The MICROHOUND 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 5.0 ppb; this capability is one of many reasons why some of the world's largest petrochemical refineries deploy the MICROHOUND in their monitoring challenges.



Handles

Sample Inlet Quick Connector

Top Handle

Touchscreen PC with remote access

Wheels (Underneath)

## General Specifications

Analyzer Model	MicroHound (Standard Model)
Analyzer Type	Portable point multi-gas UV DOAS
Applications	Refinery fenceline 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
Operating Conditions	<b>Temperature</b> 0°C to 50°C <b>Humidity</b> 0 to 100% non-condensing <b>Rain</b> Direct Exposure Rated <b>Dust/Sand</b> 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™ 10/11 OS USB, ethernet ports

