CEREX MONITORING SOLUTIONS, LLC.
678-570-6662
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Cerex UV Sentry - HC Harsh Climate Model

UV DOAS Multi-Gas Analyzer

Designed to withstand extreme environmental conditions during the open path detection of **key hazardous emissions** (such as Benzene and Chlorine)

Features

- Benzene and other gases down to parts-per-trillion minimum detection limits (gas specific) within seconds
- Eliminates many point monitors with a single optical path length up to 1000 meters
- Low cost of ownership, no-maintenance design; only consumables are dust filters and UV lamp
- Data output rates typically 15 sec. to 2 min.
- User-configurable open-source library
- 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
- Simple calibration verification using built-in flow cell

PRODUCT QUALITY ASSURANCE

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.

Cerex has sold more than 200 open path systems that are currently fielded and operational

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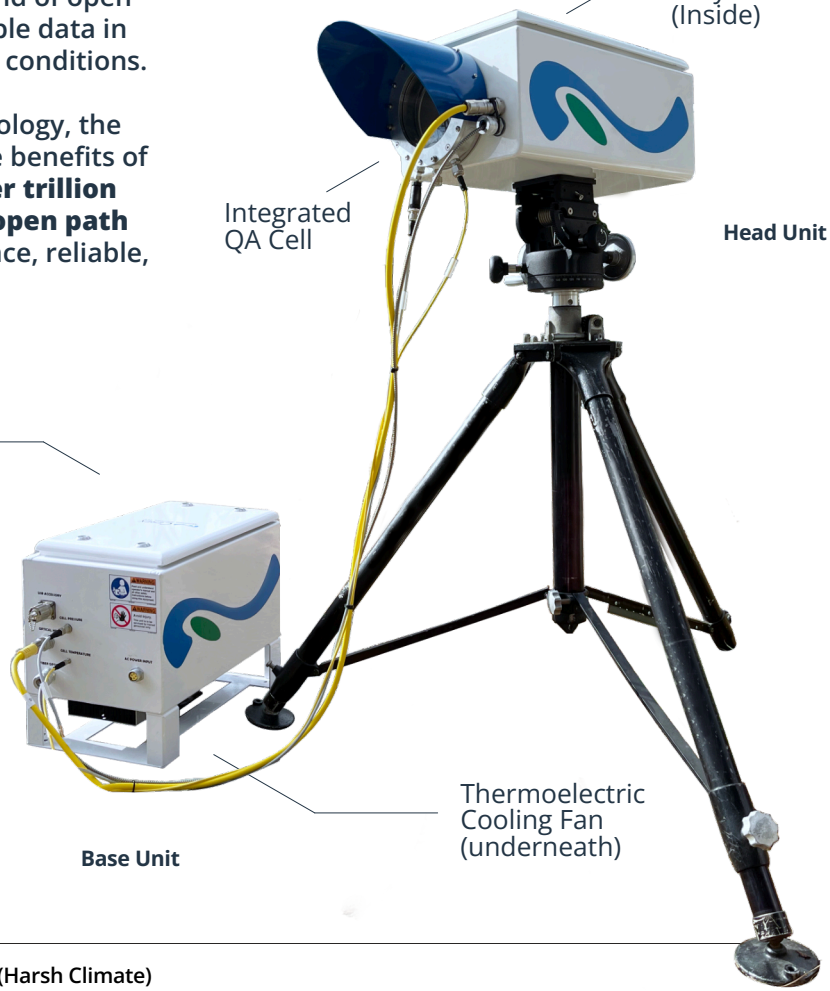
RAIN / HUMIDITY | CORROSION | EXTREME TEMPERATURES | DUST / SAND

Based on years of the success with UV SENTRY, the Harsh Climate model was developed by Cerex's engineers to meet the demand of open path analyzers that can output reliable data in the midst of extreme environmental conditions.

Utilizing the same proprietary technology, the Harsh Climate model features all the benefits of the UV Sentry **(gas-specific parts per trillion detection limits, 1000+ meters of open path monitoring)** inside a low-maintenance, reliable, and robust package.



General Specifications

Analyzer Model	UV Sentry - HC (Harsh Climate)
Analyzer Type	Open path multi-gas UV DOAS
Applications	Fenceline Monitoring System (FLMS), Benzene, Toluene, and Xylenes (BTEX), Brownfield Remediation, Chlorine Monitoring, 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 trillion
Method Compliance	✓EPA Method 325 ✓40 CFR 63.658 (MACT) ✓SCAQMD Rule 1180 ✓BAAQMD Rule 12-15
Instrument Cooling	Thermo electric air conditioner - no freon
Operating Conditions	**Temperature** -40°C to +60°C Meets Mil-STD-810G CN1- method 505.6 **Humidity** 0 to 100% Condensing Meets Mil-STD-810G CN1- method 507.6 **Rain** Direct Exposure Rated Meets IEC 60529 – IP5X **Corrosion** Salt Fog Meets Mil-STD -810G – method 509.6 **Dust/Sand** Direct Exposure Rated* Meets IEC 60529 – IP5X *Shelter recommended to relieve wind loading
Installation	Stainless steel mount for fixed permanent installation, or tripod
Interface	Integrated touchscreen PC with MS Windows™ 10/11 OS USB, ethernet ports

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