CEREX
MONITORING SOLUTIONS, LLC.
678-570-6662
INFO@CEREXMS.COM

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

Meets a variety of regulations

- ✓ New 2023 EPA "HON" standards for Benzene, 1,3-Butadiene, Chloroprene
- ✓ EPA Method 325
- ✓ 40 CFR 63.658 (MACT)
- ✓ SCAQMD Rule 1180
- ✓ BAAQMD Rule 12-15

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

RAIN / HUMIDITY

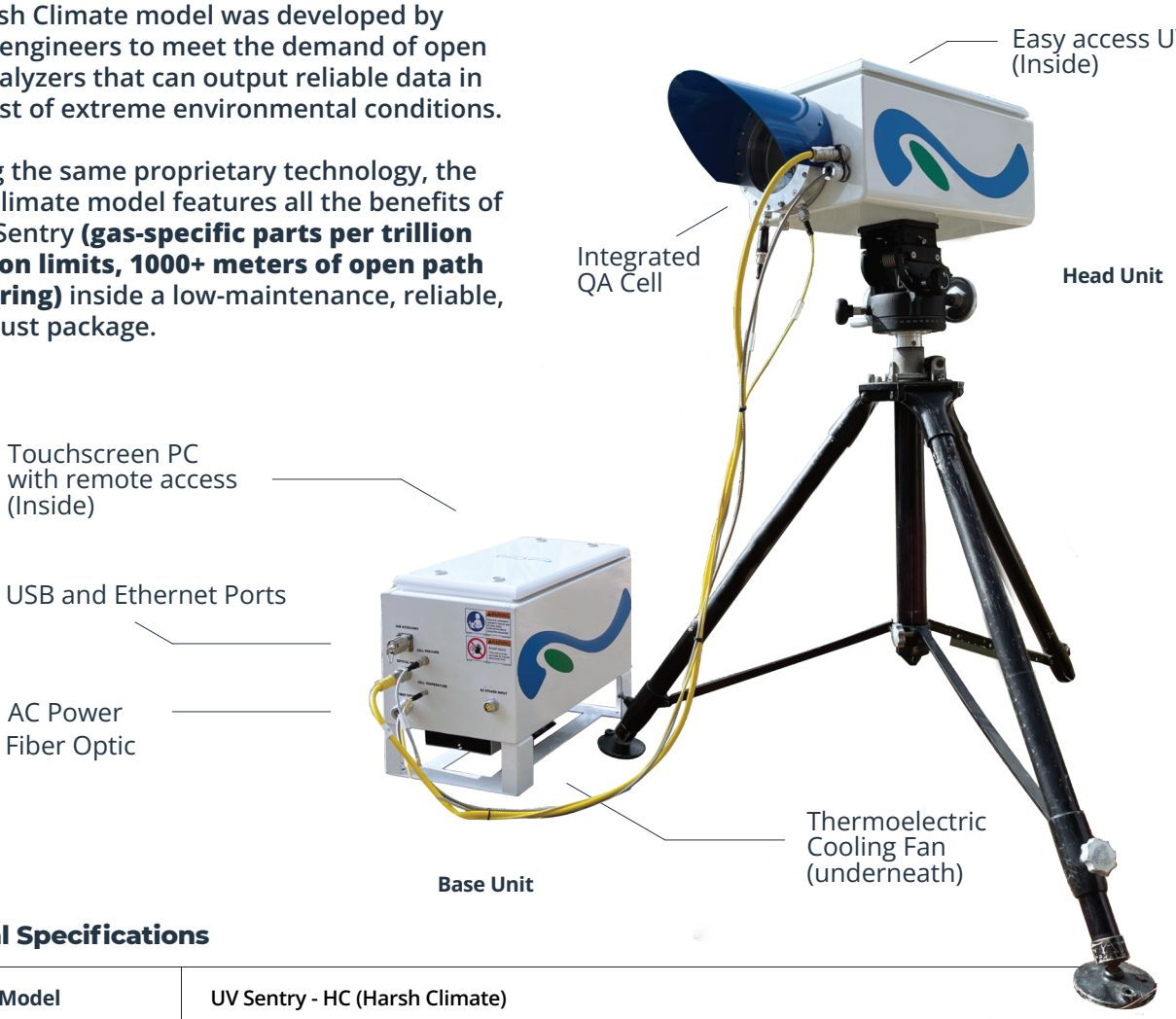
CORROSION

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		
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		

View Details

CEREX Monitoring Solutions, LLC.
1816 Briarwood Industrial Ct NE
30329 Atlanta, GA, USA
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