

UV3000C *Multi-Gas UVDOAS Internal Cell Analyzer*



Cerex's UVDOAS Continuous Multiplex Analyzer, engineered specifically for low cost, high performance point monitoring of multiple locations with one device.

www.cerexms.com

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The CEREX UV3000C Multi-Gas, Multiplexed Analyzer

The Cerex UV3000C provides industrial quality UVDOAS monitoring of critical gases such as NH₃, BTEX, NO, NO₂, Formaldehyde, CS₂, and more....

4000 Hour Bulb Half Life Warranty

Automated Customizable Alarms

Automated Quality Assurance

Integrated Networking

Cannot be Poisoned

Automated Data Reporting

Simple .csv Data Logging

Available with multiplexed inputs for sequential monitoring of up to ten remote locations.

May be equipped with external cell for parallel stream stack mon-

Picture above with optional purge kit for hazardous environments



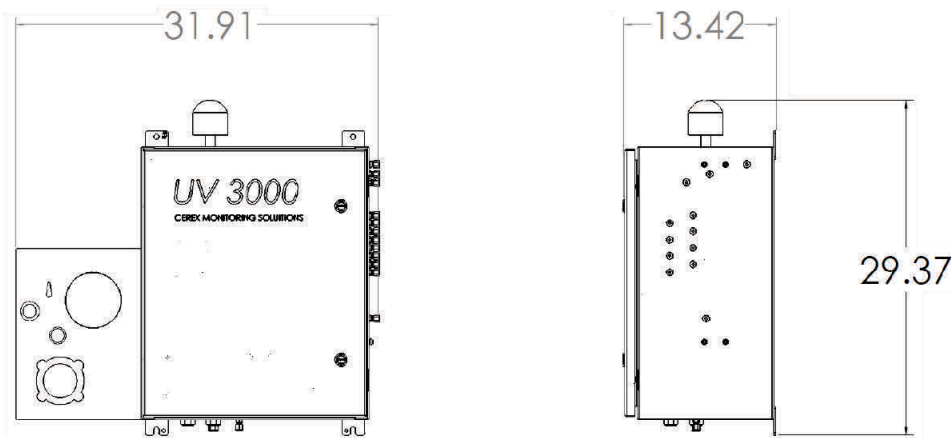
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...one device for monitoring your entire facility.



CEREX UV3000C

Model	UV3000C
Application	Multi-plexed Internal Cell UVDOAS Analyzer
Maintenance	
Bulb Life	4000 Hour Half Life Warranty
Installation	
Operating Temperature	0 to +35°C with Thermal Overload Protection
Extended Operating Temperature Package	-40 to +55C Optional
Operating Humidity	< 80%
Power	120VAC or 240VAC; 5A/2.5A
Enclosure	NEMA 4/4X
Mounting	Fixed Wall Mount
Weight / Dimensions	
Enclosure	54.4kg (120lbs)* 50.8 x 63.5 x 34cm (20" x 25" x 13.4")*
Cooling Accessory	18.14kg (20lbs)* 30.5cm x 30.5cm x 50.8cm (12" x 12" x 20")*
Performance	
Sample Path Length	0.5-17 meters (Application Specific)
Dynamic Range	Application Specific
Background Drift	< 2% FS / 24hr, Self-Compensating (TYP)
Linearity Drift	< 2%, Self-Compensating (TYP)
Technology	UVDOAS
Sample Rate	Application Specific
Data Output	
Data Output	.CSV via Ethernet Optional: E-mail, RS-232, RF Stream, 4-20mA, 0-5VDC, MODBUS RTU, MODBUS TCP/IP
Alarms	
User Configured	Fully configurable concentration and TUV average concentration alarm functionality
Approvals	CAN/CSA-C22.2 No. 61010-1, second edition, including Amendment 1



* For reference only, dimensions subject to change

Minimal Maintenance

Only consumable is UV source

Optional 12 port multiplexer for sequential monitoring of 10 remote locations. Two ports reserved for automated QA.

Configurable Auto-background

Cannot Be Poisoned

Fail to Safe Operation

Automated Quality Assurance

Automatic Multiplexing

No Delay in Detection

Alarms in seconds

Immediate clear-down when gas is removed

User Configurable

Data and Alarms can be automatically sent to e-mail, website, or control room

Analog outputs available via 4-20mA, serial, or relay

May be equipped with external cell for lower detection limits or parallel stream stack monitoring.

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Detectable Compounds

UV3000C Internal Cell Model Analyzers: Theoretical Minimum Detection Limits			
Parameter	8.5 Meter Cell	2 Meter Cell	Units
Ammonia (NH3) MDL	24	100	ppb
1,3 Butadiene MDL	24	100	ppb
Benzene MDL C6H6	31	134	ppb
Carbon Disulfide MDL	24	100	ppb
Ethyl Benzene MDL C6H5CH2CH3	35	150	ppb
Formaldehyde MDL CH2O	376	1600	ppb
Hydrogen Sulfide (H2S) MDL	59	250	ppb
Mercury (Hg) MDL	12	50	ppb
Naphthalene MDL C10H8	24	100	ppb
Nitrogen Oxide (NO) MDL	34	146	ppb
Nitrogen Dioxide (NO2) MDL	475	2020	ppb
Ozone (O3) MDL	235	1000	ppb
o-xylene MDL C8H10	444	1885	ppb
m-xylene MDL	41	175	ppb
p-xylene MDL	28	119	ppb
Sulfur Dioxide (SO2) MDL	38	160	ppb
Toluene MDL C7H8	99	419	ppb
Accuracy	±3.5 FS TYP	±3.5 FS TYP	% FS

Cerex manufactures a full line of UVDOAS and FTIR Multi-gas Analyzer products for CEMs, Process Monitoring, PAAM, Leak detection, Zone Monitoring, and Indoor Air Quality Monitoring as well as custom analyzers.



Contact us for a demonstration of our technology.

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