

Cerex UV3000CS

UV DOAS Multi-Gas Analyzer

Complete insitu solution to monitor critical stack emissions such as **Ammonia (NH₃), BTEX, Nitrogen Oxides (NO_x), and more.** Eliminates equipment and maintenance associated with extracting sample from stack.

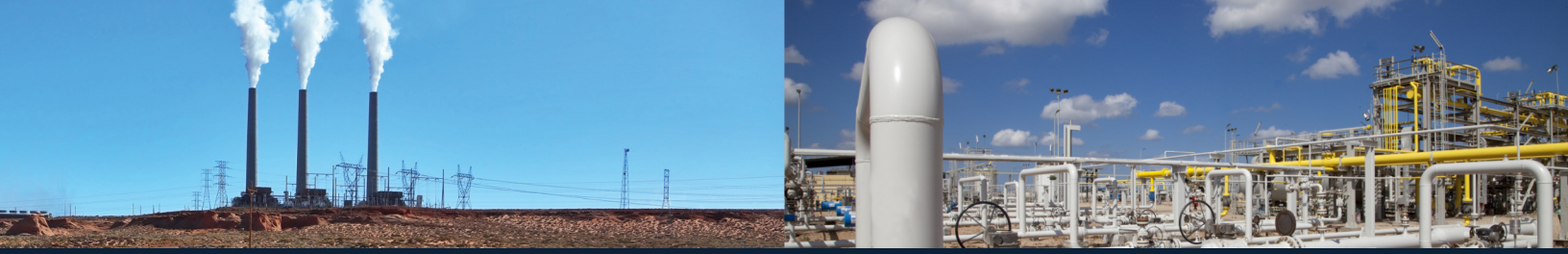


Features

- **Complete Insitu Solution**
Innovative design eliminates sample extraction and the costs, equipment, and infrastructure associated with remote analyzers
- **Immune to Harsh Stack Conditions**
Cross-stack remote sensing is a non-contact measurement method (no contact with walls, filters, or other media). The true, accurate concentration of gas is measured without losses that would originate from extraction systems
- **Proven Measurement Technology**
UV-DOAS Spectroscopy is fast and accurate. The spectrometer has no moving parts and is capable of detecting multiple gases simultaneously. Permanent, fixed calibration and differential measurement technique means no "zero" and "span" operations are ever required
- **Operate in accordance with EPA protocols**
Included calibration cell allows for bump test, full certified calibration audit, RATA testing, etc.
- **Comprehensive Software & Real-Time Data**
Data output rates typically 15 sec. to 2 min. Analyze results anywhere with remote control over network or internet. Raw spectrographic information in .csv format for instant analysis, compared to "black box" solutions
- **Multi-gas Ready**
Common stack gases include NO_x, SO₂, BTEX, and NH₃. Immune to water vapor
- **No Parts to Degrade or Wear Out**
Monitoring is accomplished with an optical beam crossing the stack. This approach is uniquely applicable to harsh stack conditions such as high temperature or highly corrosive conditions.
- **Very Low Cost of Ownership**
Maintenance is vastly reduced - typical cycle every 6 months. The UV lamp is rated (half life) to 4000 hours. Only component potentially exposed to stack gas is the optical window, which is easily accessible for cleaning through the inside of analyzer enclosure. No cylinder gas required for daily operation.



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.

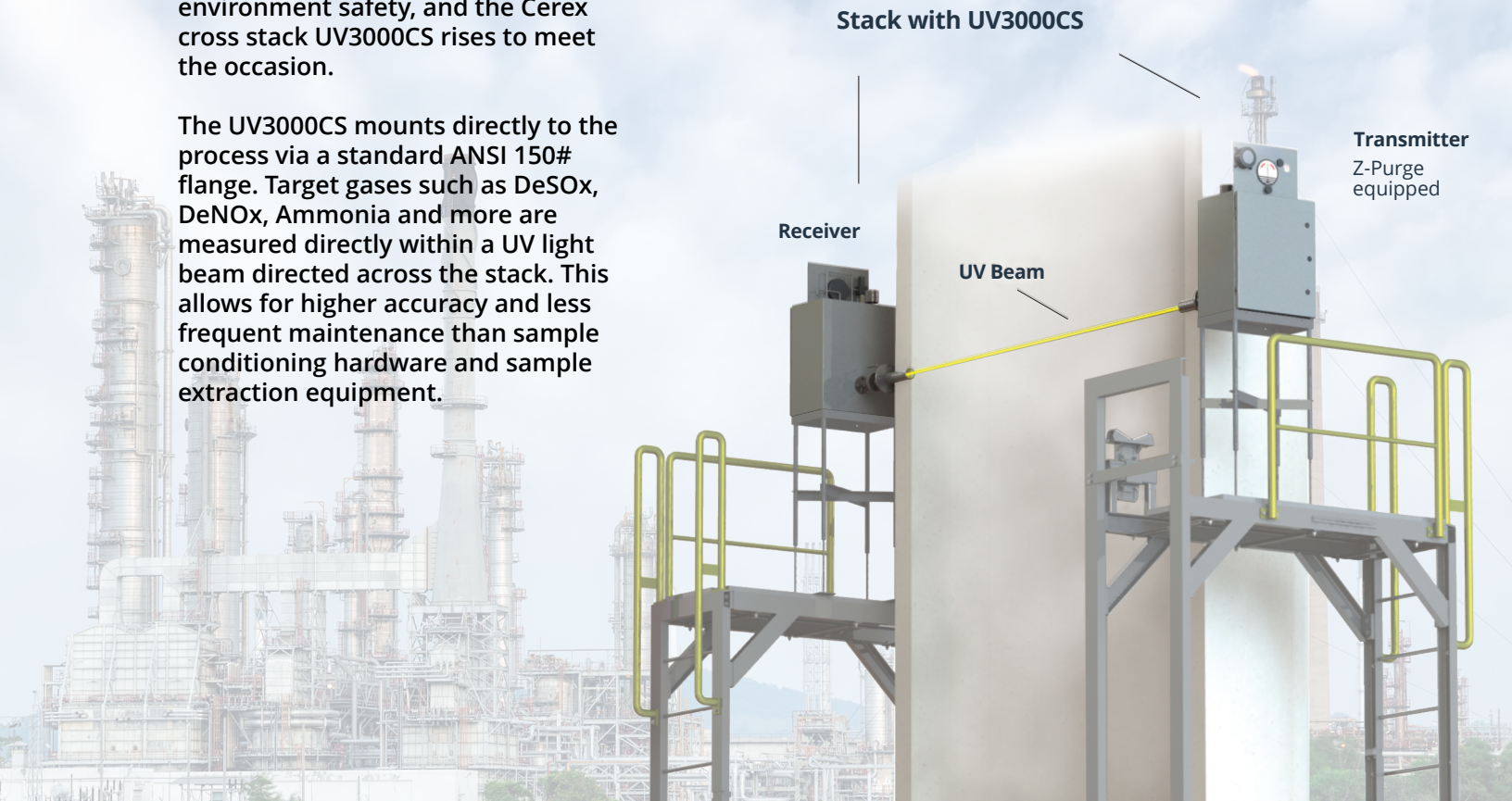


STACK MONITORING (CEMS)

PROCESS MONITORING

Accurate, reliable, and timely monitoring of critical stack emissions (CEMs) is an increasingly important challenge for community & environment safety, and the Cerex cross stack UV3000CS rises to meet the occasion.

The UV3000CS mounts directly to the process via a standard ANSI 150# flange. Target gases such as DeSOx, DeNOx, Ammonia and more are measured directly within a UV light beam directed across the stack. This allows for higher accuracy and less frequent maintenance than sample conditioning hardware and sample extraction equipment.



General Specifications

Analyzer Model	UV3000CS
Analyzer Type	Multi-gas UV DOAS Cross Stack
Applications	Continuous Emissions Monitoring (CEMs), Process Monitoring, Stack Emission Monitoring
Range	Application specific, TYP 0 to 1000 parts per million (ppm)
Instrument Enclosure	NEMA 4/4X
Instrument Cooling	Air conditioner - refrigerant or thermoelectric
Operating Conditions	Temperature -40°C to +60°C Humidity 0 to 100%
Installation	Mount to Standard ANSI flange
Interface	Integrated touchscreen PC with MS Windows™ 10/11 OS USB, ethernet ports
Bulb Life	4000 Hour Half Life Warranty