

# Cerex Shepherd FTIR

## FTIR Multi-Gas Analyzer

Fully portable, rapid, real-time point monitoring of **Air Toxics, Hazardous Air Pollutants, Combustion Gases, Alkanes, VOC's and hydrocarbons** all at low parts per billion (ppb) levels



### Features

- Extremely low minimum detection limits (parts per billion) & broadband FTIR sensitivity
- Detection of 2023 EPA "HON" Rule gases (ie. Benzene, Butadiene, Ethylene Dichloride, Ethylene Oxide (EtO), Vinyl Chloride, and Chloroprene)
- Easy to operate, all-in-one package - portable by wheels and handles, or fixed installation
- Low cost of ownership, only 3 consumables: IR source, sample & case air filters
- 4-hour internal battery, or up to 14-hour battery life with external batteries; continuous operation on AC power
- 0.6 wavenumber, high resolution spectrometer with 2-year cryocooled detector
- Low maintenance cycle - every 3 years
- Data output rates typically 15 sec. to 2 min
- User-configurable gas library with access to thousands of compounds
- Full remote control over network or internet; cellular-ready
- Continuous, automated background update - no cylinder gases or zero air required to update backgrounds
- No calibration required; can be verified using certified gas cylinders
- Raw spectrographic information saved in .csv format for instant or post analysis, compared to "black box" solutions



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



FENCELINE MONITORING

*Identifies the gas and quantifies the concentration with user selectable alarm limits*

Gathering years of feedback from industry professionals, government agencies, engineers, operators, systems integrators, and scientists, the CEREX SHEPHERD FTIR was engineered out of a demand for a flexible, cost-effective yet highly sensitive, accurate analyzer.

Featuring portable power, parts-per-billion detection limits, and remote access to real-time results, the SHEPHERD FTIR is known for its reliable and continuous monitoring of toxic and hazardous gases.

The industry-leading FTIR analyzer offers thousands of compounds for targeting in an easy to operate, portable package without costly maintenance or environmental interference issues.



Flexible portability via handle or wheels or fixed in shelter for permanent installations

### General Specifications

<b>Analyzer Model</b>	Cerex Shepherd FTIR
<b>Analyzer Type</b>	Point FTIR multi-gas / single gas or mixtures
<b>Applications</b>	Chemical Warfare Agent Detection, Refinery Fenceline Monitoring, Brownfield Remediation, Chemical Manufacturing AQ, Chemical Depot Monitoring, Fertilizer Manufacturing AQ, Container Inspection, Leak Detection, Ambient Air Quality, Indoor Air Quality, HAZMAT Response, Border Patrol Inspection, Manufactured Gas Plant Remediation (MGP), Perimeter Ambient Monitoring System (PAMS), Superfund Site Remediation, Tank Farm Monitoring
<b>Minimum Detection Limit</b>	Gas-specific, typical parts per billion
<b>Instrument Cooling</b>	Air cooled (optional TE air conditioner)
<b>Operating Conditions</b>	<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 atmosphere - not rated for HAZLOC zones
<b>Installation</b>	Portable or permanent installation within shelter
<b>Interface</b>	Integrated touchscreen PC with MS Windows™ OS USB, ethernet ports



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