

Cerex Micro FTIR

FTIR Multi-Gas Analyzer

Designed to obtain the highest level of portable FTIR performance possible during **ambient air monitoring** of IR-detectable species



Features

- Highest performing portable interferometer with automated water vapor compensation
- Gas identification & concentration output rate from 1 second
- Extremely low minimum detection limits (parts per billion) and broadband FTIR sensitivity
- Full remote control over network or internet; cellular-ready
- Low cost, no maintenance, <1 wavenumber resolution interferometer
- Continuous, automated background control - no cylinder gases or zero air required for operation
- Field ruggedized thermoplastic enclosure; less weight than competing FTIR instruments
- Raw interferograms and single beam information available for archiving, compared to "black box" solutions
- Easy-swap standard battery offers 3 hours operation or continuous operation on AC power
- No calibration required; can be verified using certified gas cylinders
- High sensitivity, low volume sample cell
- User-configurable library with access to thousands of compounds



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.



HOSPITAL / ANESTHETIC



HAZMAT RESPONSE



CHEMICAL WARFARE MONITORING



COMMUNITY LDAR

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

Building upon years of success with the SHEPHERD FTIR, the MICRO FTIR is Cerex's latest advancement in the field of highly accurate and transportable FTIR multi-gas point analyzers.

Using the same proprietary technology as its reputable bigger model, the Cerex MICRO FTIR features the same laboratory quality (**low parts per billion detection limits**) in an even smaller, lighter, and compact casing.

It represents a viable solution for the monitoring of Hazardous Air Pollutants (HAPS), Toxic Industrial Chemicals (TIC), Chemical Warfare Agents (CWA), and general industrial gases. For identifying unknown gases, Cerex's software can simultaneously analyze over 300 compounds.



General Specifications

Analyzer Model	Cerex Micro FTIR
Analyzer Type	Portable FTIR multi-gas / single gas
Applications	Ambient Air Monitoring, Anesthetic / Hospital Monitoring, Chemical Manufacturing AQ, Chemical Warfare Agent Detection, Container Inspection, Industrial Hygiene, HAZMAT, Indoor Air Monitoring, Leak Detection and Repair (LDAR), Manufacturing Air Quality, Odor Complaint Response, Refinery Survey, Border Patrol Inspection, Stationary Source Monitoring (Cool, dry sample)
Minimum Detection Limit	Gas-specific, typically parts per billion
Instrument Cooling	Air Cooled (Fan)
Operating Conditions	Temperature 0°C to +40°C; 0 to +35°C long term Humidity 0 to 95%; non-condensing General purpose atmospheres - not rated for hazardous zones
Installation	Portable or permanent installation within shelter
Interface	Integrated touchscreen PC with MS Windows™ USB, WiFi



View Details