

# EP-IRGAS SPA

“We sell Solutions, not Boxes”

CIC Photonics, Inc. is dedicated to providing today's growing industries with the highest sensitivity and fastest time response instrumentation. Our analyzers are used worldwide in a variety of different arenas, and although CIC Photonics has a set of core systems, we pride ourselves on truly meeting the needs of our customers by adapting the core analyzers to their specifications.

Our EP-IRGAS short path analyzer incorporates a rugged EP-IR (Encoded Photometric Infrared) spectrometer with a stainless steel short path gas cell. This combination produces an analyzer that can handle some of the most demanding applications. The EP-IRGAS short path analyzer is ideal for applications for which gas species main adsorption peaks lie in the 2.5 $\mu$ m to 5 $\mu$ m spectral range. Its sensitivity is component dependent, but generally falls in the % level to ppm range. For more specific limits of detection, please contact CIC Photonics.

The key features of the EP-IR spectrometer are:

- Simultaneous multiple gas monitoring
- Ultra fast scanning - 100 scans/sec
- Vibration insensitive
- No hydroscopic materials
- No internal lasers
- Real-time data
- Embedded PC and flash memory
- 128 photometric channels

For more information on the EP-IR technology please contact us.

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IRGAS EP-IR Short Path Gas Analyzer

## System Specifications

### System Components

EP-IR Spectrometer with an electronically cooled PbSe detector  
2, 5, 10, 15, or 20 cm Scout-EN

### Sensitivity Range

Component dependent, please contact CIC Photonics

### Pressure Range

Atmospheric to 200 psi

### Temperature Range

0°C to 300°C

## Applications

- Hydrocarbons
- Indoor Air Monitoring
- Environmental Monitoring
- Continuous Emissions Monitoring
- Automobile Exhaust
- Process Streams
- Corrosive and Toxic Gas
- Combustion Gas Monitoring

## Analyzer Options

- Digital Analog Output
- Valving Manifold
- Automated Manifold
- Computer
- Script Editor Software (runs automated manifold)
- Moisture Reduction Stack
- Cabinet/Rack Mount
- Additional Analyzers (O<sub>2</sub>, H<sub>2</sub>, THC, etc.)
- Multipoint Monitoring
- Heated/Unheated Sampling Systems

**CIC Photonics**