

# Fast, High-Performance Flare Gas Analyzers

for Regulatory Compliance



Process Insights is your **SINGLE SOURCE** for complete flare gas analysis for total compliance – Quad O, HON, MON and EMACT, RSR, Subpart Ja, HRVOC and more.



**9800Cx<sup>TM</sup> Calorimeter**  
BTU/Net Heating Value (NHV) measurement of the vent gas for Quad O, EMACT, MONMACT & RSR compliance and real-time flare control

- Zero hydrocarbon emissions for Heating Value, Wobbe Index, and Combustion Air Requirement Index (CARI) in seconds
- Handles high sulfur concentrations high temperature combustion
- Flameless / no flameouts
- Outdoor install and no shelter required



**MAX300-RTG<sup>TM</sup> 2.0 Mass Spectrometer**  
Real-time flare gas analysis for BTU/Net Heating Value, H<sub>2</sub>S, total sulfur & full vent gas speciation for Quad O, EMACT, MONMACT, RSR & Subpart Ja compliance

- Reports the Net Heating Value (NHV) for high-precision RSR flare control in seconds
- 24-7 automated flare monitoring with >99% demonstrated uptime
- Extreme resistance to high hydrogen sulfide
- No carrier, detector or dilution gases required
- Outdoor install and no shelter required



**FGA-1000<sup>TM</sup> Total Sulfur Analyzer**  
With Excimer UV Fluorescence Technology for Subpart Ja compliance for monitoring refinery flare gas and subsequent sulfur dioxide emissions

- Unmatched speed of analysis and response time
- Low utility consumption
- Lowest cost of operation
- No need for additional sample valves, calibration gases or system hardware
- Outdoor install and no shelter required

## Reduce risk for compliance projects

- Ensure compliance with real-time flare control
- Ensure combustion efficiency
- Field-proven technologies with extensive installed base
- Unparalleled support from global Sales and Service network

Regulation Type:	For Sulfur Reporting		For Combustion Efficiency & Flare Control		HRVOC	Analyzer Details
Analyzer Type	H <sub>2</sub> S	Total Sulfur	Net Heating Value	Speciated Hydrogen	Full Stream Composition	Average Time Between Updates
Mass Spectrometer	✓	✓	✓	✓	✓	< 20 seconds
Total Sulfur Analyzer		✓				100 seconds
Calorimeter			✓	Optional add-on		5-30 seconds

## GAIN REAL-TIME INSIGHT INTO YOUR PROCESS

Process Insights manufactures and delivers premium sensors, monitors, detectors, analyzers, instrumentation, and software that are mission-critical to keep your operations, personnel, and the environment safe – every day across the globe.

Get the most reliable, precision analytical technologies available on the market today. We will work to match your needs and budget, and provide the optimal, and most stable process analysis solution for your application.

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## CENTERS OF EXCELLENCE | PROVIDING PROVEN SOLUTIONS

Process Insights is committed to solving our customers' most complex analytical, process, and measurement challenges everyday.

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For a complete range of products, applications, systems, and service options, please contact us at: [info@process-insights.com](mailto:info@process-insights.com)

For a complete list of sales & manufacturing sites, please visit: <https://www.process-insights.com/about-us/locations/>

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REVOLUTIONIZING MEASUREMENT

**EVERYWHERE**