

Fast, High-Performance Flare Gas Analyzers

for Regulatory Compliance



Process Insights is your **SINGLE SOURCE** for complete flare gas analysis for total compliance - EMACT, MONMACT, RSR, Subpart Ja, HRVOC and more



9800Cxi™ Calorimeter
BTU/Net Heating Value (NHV) measurement of the vent gas for 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™ 2.0 Mass Spectrometer
Real-time flare gas analysis for BTU/Net Heating Value, H₂S, total sulfur & full vent gas speciation for 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



FGA-1000™ 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 ₂ 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 delivers premium analytical sensors, analyzers, instrumentation, software and solutions that are mission-critical to keep your operations, personnel, and the environment safe. Our commitment to customer satisfaction is evident through our diverse range of products, programs, and services, designed to accommodate various budgets and application needs.

CENTERS OF EXCELLENCE

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