

High Quality Analyzers for Diverse Gas, Water, and Liquid Hydrocarbon Applications

Total Sulfur & Heating Value Analyzers, Spectroscopy & Stack O₂ Monitoring



Fuel Gas

Applications:

- Real-time gas analyzers for environmental compliance and combustion control
- Rapid response for optimized combustion efficiency and accurate H₂ blending to reduced carbon emissions
- Multiple solutions for compliance with regulations such as 40 CFR Part 60, and HRVOC rules
- H₂S, Total Sulfur, Net Heating Value (NHV), O₂ and COe, Wobbe, Specific Gravity, CARI, and full speciated composition



Fast, Multi-Cycle Total
Sulfur Fuel Gas Analyzer
SGA-1000™



Direct Heating Value
Analyzer for BTU, CARI,
Wobbe and Density
9610CXc™ Calorimeter



In Situ O₂ and COe for
combustion monitoring
for burner optimization
O2CX™ Monitor



Industrial Mass Spectrometers
for Real-Time, Multi-Stream
Fuel Compliance and Control
MAX300-RTG™ 2.0

Optical / Mass Spectrometers, Total Sulfur, & Heating Value Analyzers



Flare Gas

Applications:

- Real-time gas analyzers for flare compliance and control
- H₂S, Total Sulfur, Net Heating Value (NHV)/BTU, H₂, and full speciated composition
- Complete analysis for compliance with regulations such as EMAX, MONMACT, RSR, Subpart Ja, Ontario Reg. 530/18, Korean Facility Management Standards to Reduce Fugitive Emissions, and HRVOC rules



Total Sulfur
Gas Analyzers
FGA-1000™



Injection Style Calorimeter
for Zero-Hydrocarbon Emissions
for BTU and Flare Control
9800CXi™ Injection Style Calorimeter



Real-Time Mass Spectrometers for
Compliance and Flare Control
MAX300-RTG™ 2.0

Optical & Mass Spectrometry Analyzers & Total Sulfur Analyzers



Sulfur Analysis

Applications:

- Sulfur analysis in butane, diesel, liquid fuels, LNG, hydro-treaters, blenders, and scrubbers
- H₂S, Total Sulfur and Total Nitrogen, Trace Sulfur, Net Heating Value (NHV)/BTU, H₂, and full speciated composition
- Meets ASTM D5453 for compliance with regulations like US EPA Tier III, European Euro 6, or the Indian Bharat VI



Fast, Multi-Cycle
Total Sulfur
Gas Analyzer
SGA-1000™



Real-Time
Total Sulfur in
Liquids Analyzer
SLA-1000™



Laboratory Total Sulfur
and Total Nitrogen in
Liquid and Gases
XT-2000™



Industrial Mass
Spectrometers for
Real-Time, Multi-Stream
Compliance and Control
MAX300-RTG™ 2.0



UV-VIS Process
Analyzer for UV
Active Applications
508 UV-VIS™

Optical Spectroscopy Analyzers & Photometers



Crude Oil Processing

Applications:

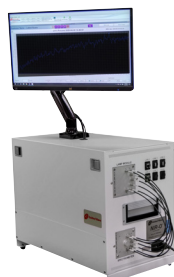
- Real time process analyzers for naphtha conversion, catalytic conversion, upgrading units, isomerization, alkylation, and gasoline and diesel blending
- Monitor catalyst efficiency
- PIONA content of reformate, octane numbers, volatility (RVP, vapor-to-liquid ratio), aromatics content, olefins, oxygen, benzene, distillation parameters, Fuel ID, and Fuel Color + Turbidity



Process FTIR Analyzer
for Refinery Monitoring
**ANALECT® Hydrocarbon
SmartSystem™**



FTIR/FT-NIR
Process Analyzer for
Refining Applications
ANALECT® RefinIR™



Benchtop
NIR Spectrometer
for QC Lab and Pilot
Plant Operations
LAB NIR-O™



Real-Time,
Multi-Stream
Process NIR
Spectrometer
NIR-O™



Dual Beam Photometer
for Continuous
PAT Monitoring
Multiple Enclosure Options
ClearView db®

Dew Point Monitors & Laser Spectroscopy Analyzers



Instrument Air & Dryers

Applications:

- Continuous moisture analysis in instrument air and dryers, and portable spot checking
- Trace moisture in clean dry air, ppb to % level



Aluminum Oxide Dew Point Meters and Transmitters with Hyper-Thin-Film Technology for Portable/Fixed/Loop-Powered Applications
XDT™ | XPDM™ | HDT™ | LPDT2™



CRDS Analyzer for UHP Moisture in Air
Spark™

Heating Value, Dew Point Monitors & Spectroscopy Analyzers



Steam Methane Reformer

Applications:

- Hydrogen and syngas process control, and hydrogen purity analysis
- Increased accuracy and efficiency for all stages of the hydrogen economy: generation, storage, and delivery
- Gas analyzers for H₂O, CO, CO₂, H₂, N₂, CH₄, H₂S, hydrocarbons, BTU, Wobbe, CARI, and Density

NEW



Injection Style Heating Value Analyzer for Zero-Hydrocarbon Emissions for BTU and Flare Control
9800CXi™ Calorimeter

NEW



Industrial Mass Spectrometers for Real-Time, Multi-Stream Process Control
MAX300-RTG™ 2.0



Benchtop Mass Spectrometers for Real-Time, ppb-level, Multi-Impurity Analysis
MAX300-LG™



Portable and Fixed Aluminum Oxide Dew Point Meters
XPDM™



NEW



Real-time Cavity Ring Down Spectroscopy (CRDS) Impurity Analyzers for H₂O, CO, CH₄ and CO₂
CO-rekt™ and Prismatic 3™

Spectrometers, Electrochemical & Chilled Mirror Analyzers



Laboratory, Safety & Compliance



Percent and Trace Oxygen Analyzers, and Oxygen Deficiency Safety Monitors
Series 3520™ and **OXY-SEN™**



Chilled Mirror Dew Point Meters
MODEL 373™



Real-Time Air Mass Spectrometers for Environmental Health and Safety
MAX300-AIR™



Total Sulfur-Total Nitrogen Gas Analyzers
XT-2000™

Water Quality Analyzers



Water & Wastewater



TOC Water Analyzer for Harsh Wastewater Applications
QuickTOCultra™



TOC Water Analyzer for Clean Water Applications
QuickTOCuvII™



TOC Water Analyzer for Municipal and Cooling Water Applications
QuickTOCeco™



COD Water Analyzer for Laboratories
QuickCODlab™

Applications:

- Water influent and effluent discharge control
- Process control, high purity, oil in water, cooling water, condensate return, water-steam cycles, and environmental compliance
- Total Organic Carbon (TOC) in water

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

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

REVOLUTIONIZING MEASUREMENT

EVERYWHERE