

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

Mass Spectrometers, photometers & Optical Spectroscopy Analyzers



Process Control

Applications:

- Rapid gas and liquid analyzers to enable real-time control of process reactors
- Fast, accurate process optimization for increased manufacturing yields, safer operation and reduced wear on equipment
- Inline and online process analyzers for rare earth, methanol in water, caustic and carbonate concentrations, ethylene dichloride (EDC) vent gas, etc.



Dual Beam Photometer for Continuous PAT Monitoring
ClearView® db



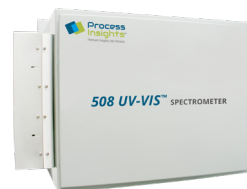
FTIR/FT-NIR process Analyzer for Liquids, Solids and Gases
ANALECT PCM 1000™



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



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



UV-VIS Full Spectrum Process Analyzer
508 UV-VIS™

Optical & Mass Spectrometers & 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™



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



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

Electrochemical Sensors & 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 %



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, Electrochemical & 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™

Heating Value, Spectroscopy & Electrochemical Analyzers



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 CO_e, Wobbe, Specific Gravity, CARI, and full speciated composition



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



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



NEW
In Situ O₂ and CO_e for
Combustion Monitoring
for Burner Optimization
O2CX™ Monitor



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

Spectrometers, Photometers, Water Quality, Electrochemical & Chilled Mirror Analyzers



Laboratory, Safety, & Compliance

Applications:

- Air and fenceline monitoring compliant with regulations such as OSHA requirements, USEPA Method 320, and the RSR
- O₂ deficiency safety monitoring, sulfur and nitrogen in fuels and biofuels, moisture calibration of sensors and standards
- Trace gas analyzers for H₂O, O₂, H₂, CH₄, NH₃, CO, CO₂, N₂, Ar, He, VOCs, HAPs, hydrocarbons, etc.



Trace to Percent Oxygen
Monitors for Portable
and Fixed Applications
Series 3520™ and OXY-SEN™



NEW
Real-Time Hydrogen Peroxide Vapor
Sterilant Gas Monitoring
**ClearView® db Hydrogen
Peroxide Vapor Analyzer**



NEW
Total Sulfur-Total
Nitrogen Gas Analyzers
XT-2000™



Chilled Mirror
Dew Point Meters
MODEL 373™



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



NEW
FTIR Environmental Vapor
Monitoring Analyzer
ANALECT EVM™



TOC Water Analyzers for
Pure and Process Water
Applications for Laboratories
QuickTOCpurity™



COD Water Analyzer
for Laboratories
QuickCODlab™

Optical & Mass Spectrometry Analyzers



Sulfur Analysis

Applications:

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



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



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



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



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

Water Quality Analyzers



Water & Wastewater

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



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™



Dual Beam Photometer for Continuous PAT Monitoring
ClearView® db



COD Water Analyzer for Laboratories
QuickCODlab™

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