

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.



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



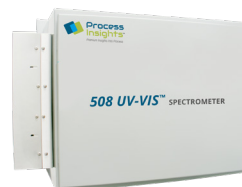
Industrial Mass Spectrometers
for Real-Time, Multi-Stream
Process Control
MAX300-RTG™ 2.0



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



Dual Beam Photometer for
Continuous PAT Monitoring
ClearView® db



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



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 %



COSAXENTAUR
a Process Insights Brand

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



Tigeroptics
a Process Insights Brand

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, CARL and Density



COSAXENTAUR
a Process Insights Brand

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



Portable and Fixed
Aluminum Oxide
Dew Point Meters
XPDM™



Tigeroptics
a Process Insights Brand

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



extrel
a Process Insights Brand

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™

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 H_2 blending to reduced carbon emissions. Multiple solutions for compliance with regulations such as 40 CFR Part 60, and HRVOC rules
- H_2S , Total Sulfur, Net Heating Value (NHV), O_2 and COe, 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



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
- O_2 deficiency safety monitoring, sulfur and nitrogen in fuels and biofuels, moisture calibration of sensors and standards
- Trace gas analyzers for H_2O , O_2 , H_2 , CH_4 , NH_3 , CO, CO_2 , N_2 , 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™



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



Chilled Mirror
Dew Point Meters
MODEL 373™



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™



extrel
a Process Insights Brand
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
QuickTOCuv™



TOC Water Analyzer for Municipal and Cooling Water Applications
QuickTOCeco™



COD Water Analyzer for Laboratories
QuickCODlab™



GuidedWave
a Process Insights Brand
Dual Beam Photometer for Continuous PAT Monitoring
ClearView® db

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.

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