

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

Heating Value, Spectroscopy & Electrochemical Analyzers



Renewable Natural Gas (RNG)

NEW

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



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

NEW



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

Applications:

- Real-time analyzers for RNG processing, custody transfer, and environmental compliance
- Rapid response for optimized combustion efficiency and accurate H₂ blending to reduce 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



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

NEW



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™

NEW



TOC Water Analyzer for Municipal
and Cooling Water Applications
QuickTOCeco™



COD Water Analyzer
for Laboratories
QuickCODlab™

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 % level



NEW



Aluminum Oxide Dew Point Meters
for Portable/Fixed/Loop-Powered Applications
XDT™ | XPDM™ | LPDT™ | LPDT2™



CRDS Analyzer for UHP
Moisture in Air
Spark™

Heating Value, Electrochemical & Spectroscopy Analyzers



Hydrogen & Fuel Cells

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
- Hydrogen purity to meet ISO14687/SAE J2719 standards
- Gas analyzers for H₂O, CO, CO₂, H₂, N₂, CH₄, H₂S, hydrocarbons, BTU, Wobbe, CARI, and Density

NEW



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



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

NEW



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



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™

Mass Spectrometers & Laser Spectroscopy Analyzers



Fuel Ethanol & Fermenter Control



NEW

Vis-NIR Process Analyzer
ClearView db®



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



NEW

Real-Time, Multi-Stream Mass Spectrometer Gas Analyzer for Accurate OUR, CER, and RQ
MGA 1200CS™



Benchtop Mass Spectrometer for Real-Time, Multi-Stream, Bioreactor Control
MAX300-LG™



CRDS Trace Gas Analyzer for ppb-Level Detection of H₂O, CH₄, CO, CO₂, and C₂H₂
Spark™

- Applications:**
- Fermenter bioreactor off-gas composition analysis
 - Fast and accurate analysis for control parameters such as:
 - Oxygen Uptake Rate (OUR)
 - Carbon dioxide Evolution Rate (CER)
 - Respiratory Quotient (RQ) and fermentation end point
 - Continuous monitoring to improve yield and quality, and reduce waste
 - Single species or multi-component analysis (e.g. CO₂, O₂, N₂, Ar, H₂O, CO, H₂, He, hydrocarbons, alcohols, aldehydes, sulfurs, etc.)
 - Real-time determination of ethanol in gasoline

Heating Value, Spectroscopy & Electrochemical Analyzers



Off-Gas Recapture & Enrichment

- Applications:**
- Real-time gas analyzers for industrial off-gas, enrichment, combustion control, and environmental compliance
 - Rapid response for optimized combustion efficiency and accurate H₂ blending to reduce 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



Handheld Multigas Emissions Analyzer
707™



In Situ Stack Gas Oxygen Analyzer
Zirconat™



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



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



NEW

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



NEW

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

Spectrometers & Electrochemical Analyzers



Nuclear Power

Applications:

- Oxygen analysis during waste gas tritium recovery
- ppt – ppb – ppm levels of CO, CO₂, CH₄, NH₃, H₂O, O₂, CH₂O, CH₂O₂, He, Ar, and N₂ in H₂
- Helium, deuterium, H₂, and isotopic analysis for nuclear research

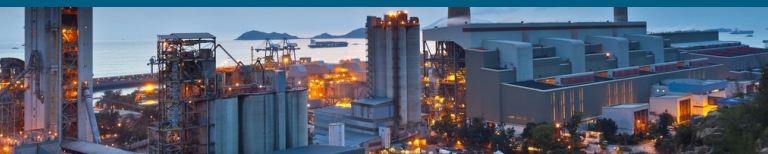


Portable and Fixed Trace to Percent Oxygen Monitors
Series 3520™ and **OXY-SEN™**

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

High Resolution Mass Spectrometer for Isotopic Analysis
VeraSpec HRQ™

Electrochemical Analyzers & Mass Spectrometers



Gasification

Applications:

- Real-time control of biomass gasification and pyrolysis processes
- Gas analyzers for H₂O, O₂, CO, CO₂, H₂, N₂, CH₄, H₂S, hydrocarbons, BTU, Wobbe, CARI, and Density
- Molecular beam mass spectrometers for natural product analysis, bio oils, and pyrolysis research



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



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



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



Molecular Beam Mass Spectrometer for Pyrolysis and Environmental Research
VeraSpec™ MBx



Laboratory, Safety & Compliance

Applications:

- Air and fenceline monitoring
- 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 and hydrocarbons
- Sulfur testing in renewable fuels



Percent and Trace Oxygen Analyzers, and Oxygen Deficiency Safety Monitors
Series 2000™ and ZRO2000™



Dual Beam Photometer for Real-Time Hydrogen Peroxide Vapor (HPV) Sterilant Gas Monitoring
ClearView db® Hydrogen Peroxide Vapor HPV™



Total Sulfur-Total Nitrogen Gas Analyzers
XT-2000™



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



FTIR Environmental Vapor Monitoring Analyzer
ANALECT EVM™



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



CRDS Trace Gas Analyzers
HALO™, Spark™, CO-rekt™, ALOHA+™, Prismatic™



COD Water Analyzer for Laboratories
QuickCODlab™



Chilled Mirror Dew Point Meters
373 Model™



REVOLUTIONIZING MEASUREMENT EVERYWHERE