

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

Spectrometers & Electrochemical Analyzers



Electronic Gas

Applications:

- Bulk gas continuous quality control monitoring (CQC); pre and post-purifier measurements
- Trace gas analyzers for impurities, including H₂O, O₂, H₂, CH₄, NH₃, CO, CO₂, N₂, Ar, Xe, Kr, Ne, He, and hydrocarbons

NEW



Quantum Cascade Laser CRDS for CO and CO₂, and ppt-Level Analysis for O₂, H₂O, CH₄, and NH₃
HALO QCL™, HALO OK, and HALO KA



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



NEW



NEW



Atmospheric Pressure Mass Spectrometers for Real-Time, ppt-Level Multi-Impurity Analysis
VeraSpec™ APIMS

Electrochemical, Spectroscopy & Chilled Mirror Analyzers



Specialty Gas

Applications:

- Moisture impurity monitoring in welding gases and specialty gases, including corrosive gases (HCL, HBr, Cl₂), rare gases (Xe, Kr, He, Ne), fluorinated gases, (SF₆, NF₃, CF₄), hydrides (NH₃, PH₃, GeH₄, AsH₃), and pure CO₂



NEW



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



Chilled Mirror Dew Point Meter for SF₆
973 Model™



CRDS for Corrosive, Rare, and Fluorinated Gases
HALO 3 H2O™



CRDS with the Lowest LDL for H₂O in NH₃
ALOHA+ H2O™

Laser Spectrometers & Electrochemical Analyzers



Air Separation

Applications:

- Process control, quality control, truck fill, safety, and compliance
- Continuous moisture analysis in instrument air and dryers, and portable spot checking
- Trace analyzers for H_2O , O_2 , CH_4 , CO_2 , CO , C_2H_2 , and other gases with detection capabilities from ppb to % level



Integrated, Custom Sample Systems Available



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



NEW



CRDS Analyzer for Trace Gas Detection of H_2O , CH_4 , CO , CO_2 , and C_2H_2
Spark™

Heating Value, Electrochemical & Spectroscopy Analyzers



Hydrogen / Syngas

Applications:

- HyCO process control, hydrogen purity analysis, feed forward control, and flare gas 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 H_2O , CO , CO_2 , H_2 , N_2 , CH_4 , H_2S , and hydrocarbon, BTU, Wobbe, CARI and Density



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

NEW



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

NEW



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



Portable and Fixed Aluminum Oxide Dew Point Meters
XPDM™



Real-time Cavity Ring Down Spectroscopy (CRDS) Impurity Analyzers for H_2O , CO , CH_4 and CO_2
CO-rect™ and Prismatic™



NEW



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



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
ANAELECT 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
QuickTOClab™



Chilled Mirror Dew Point Meters
373 Model™



REVOLUTIONIZING MEASUREMENT

EVERYWHERE