

GAIN REAL-TIME INSIGHT INTO YOUR PROCESS

Process Insights manufactures and delivers premium sensors, monitors, detectors, analyzers, instrumentation, and software that are mission-critical to keep your operations, personnel, and the environment safe – every day across the globe.

Get the most reliable, precision analytical technologies available on the market today. We will work to match your needs and budget, and provide the optimal, and most stable process analysis solution for your application.

CENTERS OF EXCELLENCE | PROVIDING PROVEN SOLUTIONS

Process Insights is committed to solving our customers' most complex analytical, process, and measurement challenges everyday.

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

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REVOLUTIONIZING MEASUREMENT
EVERYWHERE

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

Academic & Advanced Research

Applications:

- University and government lab projects, including ion/particle physics, aerospace, vacuum analysis, isotopic analysis, residual gas analysis, outgassing studies, climatic chambers & glove boxes
- H₂, He, D₂, H₂O, O₂, N, CO₂, Ar, and more
- Glovebox moisture, temperature and dew point sensor validation

extrel

AQ ALPHA OMEGA
INSTRUMENTS

Tiger optics

MBW calibration



MAX-QMS™ and VeraSpec HRQ™
High-Performance Mass Spectrometers



Series 1300™
Oxygen Deficiency Monitors



Prismatic 3™ and HALO 3™
CRDS Trace Gas Analyzers



473 Model™
Chilled Mirror Dew Point Meters

Metrology

Applications:

- Humidity standards and generators, calibration transfer and reference standards, test method validation, and sensor calibration
- ppt - ppb - ppm levels of O₂, H₂O, HCl, CH₄, NH₃ and more
- Oxygen safety monitoring

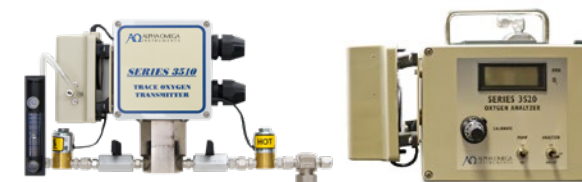
Tiger optics

AQ ALPHA OMEGA
INSTRUMENTS

MBW calibration



HALO™ Series
CRDS Trace Gas Analyzers



Series 2500™ and Series 500™
Oxygen Analyzers



373 Model™
Chilled Mirror Dew Point Meters
and Humidity Generators

Pure & Process Water/Wastewater

Applications:

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

LAR THE TOC LEADER



QuickTOCultra™
Water Analyzer for Harsh Wastewater Applications



QuickTOCuvll™
TOC Water Analyzer for Clean Water Applications



QuickTOCpurity™
TOC Water Analyzers for Pure and Process Water Applications



QuickTOlab™
COD Water Analyzer for Laboratories

Materials & Catalysis Research

Applications:

- TPD, MBMS, pure gas analysis, packaging, TGA (and other thermal processes), laser ablation, plasma studies, outgassing studies, clusters research, reaction monitoring, loading/unloading, inhibitor breakthrough, and purifier development
- O₂, H₂O, H₂, C1-C10+ hydrocarbons, and chlorides

extrel



MAX300-LG™
Real-Time, ppb-Level Lab Mass Spectrometer

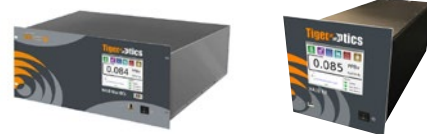


MAX-QMS™
Flange Mounted Mass Spectrometers



Components (Ion Sources & Ion Optics, Quadrupoles and RF Devices, RF Power Supplies)

Tiger optics



HALO OK™ for ppt-Level Analysis for O₂
HALO KA™ for ppt-Level Analysis for H₂O, CH₄, and NH₃

Sterilization

Applications:

- Measure Sterilant gas concentration in real-time under ambient or vacuum conditions
- Monitor H₂O₂ and H₂O, Ethylene Oxide, NO₂ for cycle development of sterilization chamber, filling isolators and Resistometers. Optical RH and relative saturation measurements. Sterilization process control, logging, or troubleshooting
- Independent Reference for Potential Load Production Release

GuidedWave



ClearView db® HPV
Real-Time Hydrogen Peroxide Vapor (HPV) Sterilant Gas Monitoring

Fuel & Energy

Applications:

- Fuel cell H₂ per ISO14687/SAE J2719 standard; quality control for Syngas, LNG, H₂ fuel cell technology, and nuclear energy
- ppt - ppb - ppm levels of CO, CO₂, CH₄, NH₃, H₂O, O₂, CH₂O, CH₂O₂, He, Ar, N₂ in H₂, and isotopic analysis
- Oxygen safety monitoring

extrel



MAX300-LG™
Real-Time Lab Mass Spectrometer for ppb-to 100% Level for Multi-Species Analysis

Tiger optics



HALO Max QCL™ and Prismatic 3™
CRDS Trace Analyzers

MBW calibration



373 Model™
Chilled Mirror Dew Point Meters and Humidity Generators

Environmental Research, Safety and Compliance

Applications:

- Ambient air analysis, pyrolysis, natural materials, isotopic analysis, greenhouse gas monitoring
- CH₄, CO, CO₂, NH₃, H₂, and Volatile Organic Carbons (VOCs)
- Full composition and trace gas analyzers for atmospheric chemistry and environmental research
- Climatic chamber and glovebox moisture, temperature and dew point sensor validation

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MAX300-AIR™
Real-Time Mass Spectrometer for Trace Contaminants in Air



VeraSpec™ Molecular Beam Mass Spectrometer
For High Pressure, Reactive and Plasma Samples

Tiger optics



T-I Max AIR™
CRDS Analyzers



HALO H₂™
Trace-Level Hydrogen Analyzer