

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



Electronic Gas

Capabilities:

- Continuous trace impurity monitoring in electronic bulk gases
- All critical impurities covered using CRDS & APIMS technologies

NEW



Tiger optics
a Process Insights Brand

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



CRDS for ppt-Level
 H_2O , CH_4 , and NH_3
HALO KA Max™



CRDS for Pre-Purifier Measurement
for H_2O , CH_4 , CO , CO_2 , and C_2H_2
Spark™



CRDS Trace Gas Analyzer for O_2
HALO OK™



ppt-Level CRDS for CO and CO_2
HALO Max QCL™



Specialty Gas

Capabilities:

- Trace H_2O analysis in UHP ammonia for HB LED production
- Quality monitoring for process specialty gases, including HCl , Cl_2 , CO_2 , N_2O , NF_3 , $CxHy$, Xe , and more
- Dynamic gas blending monitoring
- Corrosion-resistant versions available



COSAXENTAUR
a Process Insights Brand

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



extrel
a Process Insights Brand

Mass spectrometer
for pure & blended
specialty gases
MAX300-LG™



CRDS for Corrosive, Rare,
and Fluorinated Gases
HALO 3 / KA™



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a Process Insights Brand

CRDS for single-digit
ppb level H_2O in NH_3
ALOHA+ H_2O ™



Pure and Mixed Package Gas

Capabilities:

- Truck Fill, Cylinder Certifications, Gas Blending and Medical Gases
- Measure multiple contaminant concentrations from 100% down to the low parts-per-billion (ppb) in pure gases & blends
- Trace analyzers for H_2O , O_2 , CH_4 , CO_2 , CO , C_2H_2 , and other impurities with detection capabilities from ppb to % level



extrel
a Process Insights Brand

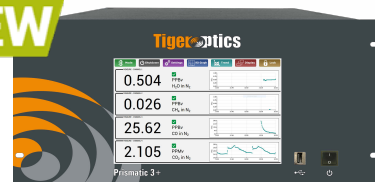
Mass spectrometer for pure & blended specialty gases
MAX300-LG™



Tiger optics
a Process Insights Brand

CRDS for measurements within Pure hydrogen, oxygen, noble gases, CO_2 , and fluorocarbons
Spark™

NEW



CRDS Analyzer for simultaneous monitoring of H_2O , CH_4 , CO , and CO_2 , in 6 different background gases
Prismatic™ 3+



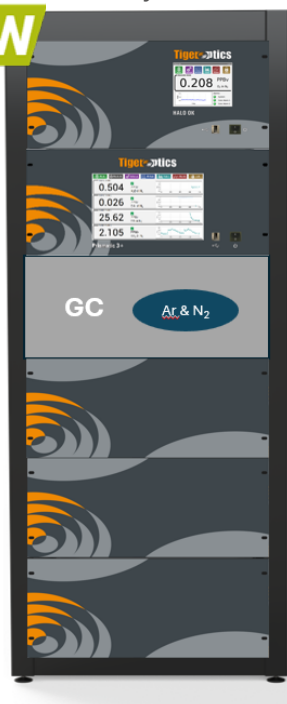
Integrated Systems

Capabilities:

- Real-time monitoring of all critical impurities in a single integrated solution for N_2 , Ar, He, H_2 , O_2 and xCDA
- Gas cycling options - monitor all gases in a single system
- Perfect for ASU, Truck Fill, Incoming Quality Control (IQC) & Continuous Quality Control (CQC)
- Fully customizable systems using the analyzers that meet the application requirements

ASU System

NEW



Truck Fill System

NEW



IQC / CQC System

NEW



HALO OK, HALO H_2 , Spark, HALO 3 and or Prismatic™ 3 CRDS
Analyzers for Trace H_2O , CO , CH_4 , CO_2 , O_2 and H_2 , GC for Trace N_2 & Ar



Air Separation

Capabilities:

- Process control, quality control, truck fill, safety, and compliance
- Continuous impurity 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 impurities with detection capabilities from ppb to % level



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Integrated, Custom Sample
Systems Available



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



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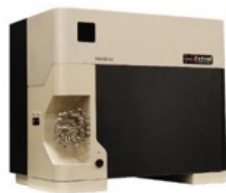
CRDS Analyzer for Trace Gas Detection
of H_2O , CH_4 , CO , CO_2 , and C_2H_2
Prismatic™ 3+ and Spark™



Hydrogen / Syngas

Capabilities:

- Real-time HyCO and SMR process control, hydrogen purity analysis, feed forward control, and flare gas analysis
- Increased accuracy and efficiency for all stages of the hydrogen supply chain: generation, storage, and delivery
- Fuel-cell hydrogen purity testing to meet the latest ISO 14687 standard
- Gas analyzers for H_2O , CO , CO_2 , H_2 , N_2 , CH_4 , H_2S , hydrocarbons, BTU, Wobbe, CARI and Density



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



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



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

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Real-time CRDS Impurity Analyzers for
 H_2O , CO , CH_4 , CO_2 , and more
CO-rekt™ and Prismatic™ 3



Portable and Fixed Aluminum Oxide
Dew Point Meters
XPDM™



Life Safety

Capabilities:

- Air monitoring
- O₂ deficiency and toxic chemicals
- Worker safety
- Early detection of chemical releases



AO ALPHA OMEGA
INSTRUMENTS
a Process Insights Brand

Trace to Percent Oxygen Monitors
for Portable and Fixed Applications
Series 1300™ and OXY-SEN™



NEW

extrel
a Process Insights Brand

Powerful Quadrupole Mass Spectrometer
for Toxic Gas Ambient Air Monitoring
MAX300-TGM™



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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