

## High-Quality Gas Analyzers for Gas and Water Applications



### Hydrogen/Syngas

**COSAXENTAUR**



**9610 Calorimeter**  
Continuous Process Analysis for BTU, CARI, Wobbe, Density



**XPDM Model**  
Portable and Fixed Aluminum Oxide Dew Point Meter



**MAX300-LG**  
Real-Time, ppb-Level Mass Spectrometer for Multi-Impurity Analysis



**MAX300-RTG**  
Real-Time, Multi-Stream Mass Spectrometer for Process Control

**Applications:**

- HyCO process control, hydrogen purity analysis, feed forward control, and flare gas analysis
- Gas analyzers for H<sub>2</sub>O, CO, CO<sub>2</sub>, H<sub>2</sub>, N<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>S, and hydrocarbons

**extrel**

**Tigeroptics**



**CO-rekt**  
Real-Time Laser-Based Impurity Analysis for H<sub>2</sub>O, CO, CH<sub>4</sub> and CO<sub>2</sub>



### Air Separation

**COSAXENTAUR**



**ESS XDT Model**  
with Integrated, Custom Sample Systems Available



**HDT / XPDM / LPDT Models**  
Portable/Fixed/ Loop-Powered Aluminum Oxide Dew Point Meters



**Tigeroptics**



**Spark**  
CRDS for Trace Gas Detection H<sub>2</sub>O, CH<sub>4</sub>, CO, CO<sub>2</sub>, and C<sub>2</sub>H<sub>2</sub>

**Applications:**

- Process control, quality control, truck fill, safety, and compliance
- Trace analyzers for H<sub>2</sub>O, O<sub>2</sub>, CH<sub>4</sub>, CO<sub>2</sub>, CO, C<sub>2</sub>H<sub>2</sub>, and more, from ppb to % level detection capability



### Electronic Gas

**Tigeroptics**



**HALO Max QCL** ppt-level CRDS for CO & CO<sub>2</sub>  
**HALO OK** for ppt-Level Analysis for O<sub>2</sub>  
**HALO KA/KA Max** for ppt-Level Analysis for H<sub>2</sub>O, CH<sub>4</sub>, and NH<sub>3</sub>

**Applications:**

- Bulk gas continuous quality control monitoring (CQC); pre and post-purifier measurements
- Trace gas analyzers for H<sub>2</sub>O, O<sub>2</sub>, H<sub>2</sub>, CH<sub>4</sub>, NH<sub>3</sub>, CO, CO<sub>2</sub>, N<sub>2</sub>, Ar, Xe, Kr, Ne, He, hydrocarbons, and more

**COSAXENTAUR**



**XDT / XPDM / LPDT Models**  
Portable/Fixed/Loop-Powered Aluminum Oxide Dew Point Meters



**extrel**



**VeraSpec APIMS**  
Real-Time, ppt-Level Multi-Impurity Analysis

## Specialty Gas

### Applications:

- Moisture impurity monitoring in welding gases, & specialty gases including corrosive (HCL, HBr, Cl<sub>2</sub>), rare gases (Xe, Kr, He, Ne), fluorinated gases, (SF<sub>6</sub>, NF<sub>3</sub>, CF<sub>4</sub>), hydrides (NH<sub>3</sub>, PH<sub>3</sub>, GeH<sub>4</sub>, AsH<sub>3</sub>), and pure CO<sub>2</sub>

**COSAXENTAUR**



**HDT/ XPDM / LPDT Models**  
Portable/Fixed/Loop-Powered  
Aluminum Oxide Dew Point Meters

**MBW calibration**



**973 Model**  
Chilled Mirror Dew Point  
Meter for SF<sub>6</sub>

**Tigeroptics**



**HALO 3 H<sub>2</sub>O**  
CRDS for Corrosive, Rare,  
and Fluorinated Gases



**ALOHA+ H<sub>2</sub>O**  
CRDS Lowest LDL  
for H<sub>2</sub>O in NH<sub>3</sub>

## Labs, Safety and Compliance

### Applications:

- Air and fenceline monitoring
- Oxygen deficiency safety monitoring
- Sulfur and nitrogen in fuels and biofuels
- Moisture calibration of sensors and standards
- Water influent and effluent discharge control for environmental compliance

**AQ ALPHA OMEGA  
INSTRUMENTS**



Percent and Trace Oxygen Analyzers,  
and Oxygen Deficiency Safety Monitors

**MBW calibration**



**373 Model**  
Chilled Mirror Dew Point Meters

**extrel**



**MAX300-AIR**  
Real-Time Air Analyzers for  
Complete Sample Analysis

**Tigeroptics**



**HALO, Spark, and Prismatic**  
CRDS Trace Gas Analyzers

**ATOM  
INSTRUMENT**



**XT-2000**  
Total Sulfur-Total Nitrogen  
Laboratory Gas Analyzers

**LAR  
THE  
TOC  
COMPANY**



**QuickTOCultra**  
Continuous Total Organic  
Carbon Analyzers

## OUR PREMIUM GLOBAL BRANDS

**AQ ALPHA OMEGA  
INSTRUMENTS**

**ATOM  
INSTRUMENT**

**extrel**

**MBW calibration**

**COSAXENTAUR**

**HYGROCONTROL**

**LAR  
THE  
TOC  
COMPANY**

**Tigeroptics**

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