

## Approved High Quality Products | Trusted Supplier

### Hydrogen/Syngas

**COSAXENTAUR**



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



XPDM Portable  
and Fixed  
Aluminum Oxide  
Dew Point Meter



MAX300-LG  
Real-time, PPB-Level  
Mass Spectrometer for  
Multi-Impurity Analysis

**extrel**



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

**Tigeroptics**



CO-rect  
Real-Time Laser-Based  
Impurity Analysis for  
 $H_2O$ ,  $CO$ ,  $CH_4$  and  $CO_2$

### Air Separation

**COSAXENTAUR**



X Integrated, Custom  
Sample Systems Available



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



#### Applications:

Process control, quality control, truck fill,  
safety, and compliance

Trace analyzers for  $H_2O$ ,  $O_2$ ,  $CH_4$ ,  $CO_2$ ,  $CO$ ,  $C_2H_2$ ,  
and more, from ppb to % level detection capability

**Tigeroptics**



Spark CRDS for Trace Gas Detection  
 $H_2O$ ,  $CH_4$ ,  $CO$ ,  $CO_2$ , and  $C_2H_2$

### Electronic Gas

**Tigeroptics**



HALO QCL Quantum Cascade Laser CRDS  
for  $CO$  and  $CO_2$ , HALO OK for PPT-Level  
Analysis for  $O_2$ , and HALO KA PPT-Level  
Analysis for  $H_2O$ ,  $CH_4$ , and  $NH_3$

**COSAXENTAUR**



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

**extrel**



VeraSpec APIMS Real-Time,  
PPT-Level Multi-Impurity Analysis

#### Applications:

Bulk gas continuous quality control monitoring  
(CQC); pre and post-purifier measurements

Trace gas analyzers for  $H_2O$ ,  $O_2$ ,  $H_2$ ,  $CH_4$ ,  $NH_3$ ,  $CO$ ,  $CO_2$ ,  
 $N_2$ ,  $Ar$ ,  $Xe$ ,  $Kr$ ,  $Ne$ ,  $He$ , hydrocarbons, and more

## Specialty Gas

**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>

**Tiger optics**



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>

### 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>

## Labs, Safety and 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

**Tiger optics**



HALO, Spark, Co-rekt, ALOHA,  
Prismatic Trace Gas Analyzers

**ATOM INSTRUMENT**



XT-2000 Total Sulfur-Total Nitrogen  
Gas Analyzers

**LAR THE TOC COMPANY**



QuickTOC ultra Continuous Total  
Organic Carbon Analyzers

### Applications:

Air and fenceline monitoring, O<sub>2</sub> 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

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, He, hydrocarbons, and more

## OUR PREMIUM GLOBAL BRANDS

**AQ ALPHA OMEGA INSTRUMENTS**

**ATOM INSTRUMENT**

**extrel**

**MBW calibration**

**COSAXENTAUR**

**HYGROCONTROL**

**LAR THE TOC COMPANY**

**Tiger optics**

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