

Tiger^{optics}

Advanced Spectroscopic Solutions for Your Applications

Spark Series



- Analyzer for **ppb to ppm** measurement of H₂O, CO or CH₄
- Compact, robust & **affordable** analyzer for **industrial & medical gases**
- Fast, accurate, with no calibration or maintenance requirements
- Options include **Dew Point Capability**, Atmospheric Pressure Sampling and Linear Fit Mode



Cylinder analysis



Truck fill Measurements



ASU process control



Quality Control for Medical Gases

HALO Series



- **Many analytes** & measurement ranges for H₂O, CH₄ and more
- Compatible with many matrices: **inerts, corrosives, hydrides & rare gases**
- Compact, portable and versatile



Corrosive Gas Monitoring



Specialty Gas Monitoring



Bulk Gas Monitoring for Semiconductor



Analyzers for turn-key systems

Prismatic 2



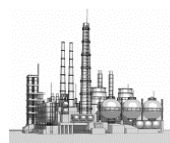
- **Multi-species analyzer** - up to 4 detections
- H₂O, CH₄, CO, CO₂ and more, with **ppb to ppm** detection capability
- **Simple, direct & continuous** measurement



Fuel Cell Hydrogen



QC for HP Gases & Mixtures



Process Control



Laboratory Research

CO-rect Series



- **Class I, Division 2 certification** for hazardous areas
- Dedicated analyzer for CO, CO₂, CH₄ or H₂O
- Continuous, real-time measurement for hydrogen process control



HyCO & SMR Process Control



HP Gas Analysis in Hazardous Locations



Syngas Monitoring

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ALOHA H₂O Series



- Trace H₂O in NH₃ with as low as **2 ppb** detection capability
- Rapid response time and extremely low cost of ownership
- Simple, direct & continuous measurement



HB-LED



Gallium Nitride (GaN)



Specialty Gas Monitoring

HALO OK



- New compact **trace oxygen** analyzer, with **ppt** detection capability
- No consumables, no calibration or maintenance required
- Ideal for CQC monitoring of ultra-high purity gases



Bulk Gas Monitoring



Pre- & Post-Purifier Monitoring



Mobile Service



High Purity Piping Qualification

Tiger-i Series



- Atmospheric monitoring of **ppt to ppm** HCl, NH₃, HF, CH₄ and more
- Ideal for **Continuous Emissions Monitoring (CEM)** and **Airborne Molecular Contaminants (AMC)**
- Fast, drift-free and accurate



CEM Stack Measurements



Air Quality Monitoring



Leak Detection



AMC monitoring in cleanrooms & FOUPs

LaserTrace Series



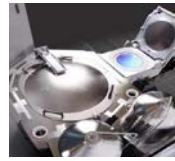
- Versatile, **multi-point, multi-species** analyzer for H₂O, O₂, CH₄ and more
- Ideal for Semiconductor applications and UHP gas monitoring with industry-leading **parts-per-trillion detection capability**



Bulk Gas Monitoring



Specialty Gas Monitoring



Low Temp Epitaxy Monitoring



High Purity Piping Qualification