Tiger's Tale

Quarterly Newsletter

Early Summer, 2017

The Spark for Accurate, Consistent & Drift-Free CO_2 Measurements

Removal of contaminants, such as CO_2, prior to cooling and distillation is essential to the cryogenic air separation process.

Compact, affordable and powerful, the new Spark CO_2 brings you:

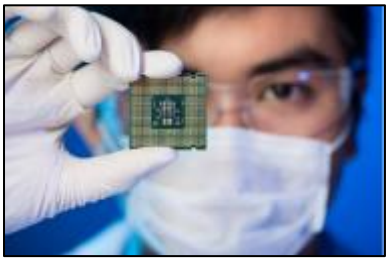
- Trace CO_2 detection limits down to 200 ppb
- Simple operation with drift-free performance
- Immunity to vibration (no moving parts)
- Freedom from calibration and maintenance
- Extremely low Cost of Ownership
- Compact footprint with optional environmental enclosure available

Extend your plant's preventative maintenance schedule with the reliability of Tiger Optics analyzers.

Applications include: Air Separation Units, Nitrogen Plants, High-Purity Gases, Analysis of Fuel Cell Hydrogen, Research & Development, and more.

CONTACT: sales@tigeroptics.com today for a quotation with *introductory* promotional pricing!

Alert for Hydrocarbons in your HCl!



When it comes to device performance, yields, and reliability, hydrocarbons in HCl gas have extremely undesirable consequences in the world of semiconductor processing...yet it can and does happen! Customer feedback tells us that the impact can be so severe, that they must halt manufacturing operations until the issue is resolved. That's a big, high-value call to make!

In response to this significant concern, Tiger Optics introduces its optional "Hydrocarbons in HCl Alert Capability". Using Tiger's CRDS, this feature alerts you when hydrocarbons are present in the sample (HCl) gas, thus, rapidly enabling the action required to protect your product.

CONTACT: Drew Thomson for more information. dthomson@tigeroptics.com

HALO LP Application for HB LEDs

In the LED market, ammonia (NH_3) is widely used in MOCVD (Metal-Organic Chemical Vapor Deposition) for the GaN deposition process. To reduce costs, more and more LED manufacturers are applying recycling systems in their process lines, collecting and purifying ammonia prior to reuse.

But, moisture is a critical impurity in NH_3 gas, and it is challenging both to remove and to measure. With the HALO LP H_2O analyzer, you can perform accurate moisture analysis in your recycled NH_3 sample. HALO LP H_2O analyzers add significant value throughout the recovery and recycling process, including:

- Analysis of the quality of raw NH_3 before recycling
- Verification of the NH_3 purification process
- Quality assurance of the recycled NH_3 before it is re-introduced to the process line

Serani – Now Standard due to Popular Demand

Tiger Optics' new Serani interface software is now included as a standard accessory for all HALO, Spark and Tiger-i analyzers! Our custom application software enables easy access to the following popular features:

- Connection to your analyzer remotely from your computer via Ethernet or RS-232
- Data recording, plotting and analysis in real-time with the click of a button
- One-step data collection for "Remote Certification" and other service function shortcuts

New Website!

We are excited to announce the launch of our new website: http://www.tigeroptics.com/. We hope you like the fresh new look and the improved navigation, allowing you to find information more quickly and easily. We are continuing to update our website with useful material about recent innovations, new products application notes, upcoming events, and more. Please let us know what you think - all suggestions and comments welcome.

CONTACT: Luna Yang lyang@tigeroptics.com

Upcoming Trade Show Announcement

GAS ANALYSIS 2017: WTC Rotterdam, The Netherlands
June 13th – 15th, 2017

Visit us at Booth #8 and kindly attend our presentation "Cavity ring-down spectroscopy analyzers for purity analysis of fuel-cell-grade hydrogen" on Wednesday at 4:25 pm.

SEMICON WEST 2017: Moscone Center, San Francisco, CA
July 11th – 13th, 2017

Visit us at Booth #7826 to see our latest products, including our new T-I MAX AMC monitors and the HALO QRP (quite reduced pressure) EPI tool moisture monitor.

***About Tiger Optics*:** Founded in 2001, Tiger Optics offers a wide and proven array of customer-lauded trace gas analyzers, as well as atmospheric and cleanroom monitors. Based upon powerful Cavity Ring-Down Spectroscopy (CRDS), Tiger instruments afford outstanding detection capabilities, speed of response, dynamic range and accuracy, combined with continuous self-calibration, ease-of-use, and freedom from moving parts and consumables. From the cleanest of semiconductor fabs to the harshest coal-fired power plants, our analyzers work to improve your yields, reduce costs, and ease the burdens of regulatory compliance.

Please contact us at sales@tigeroptics.com for more information or to request a quote today!

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