

# Tiger's Tale

Quarterly Newsletter  
Summer, 2016



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## TIGER'S CRDS GARNERS CGA APPROVAL!



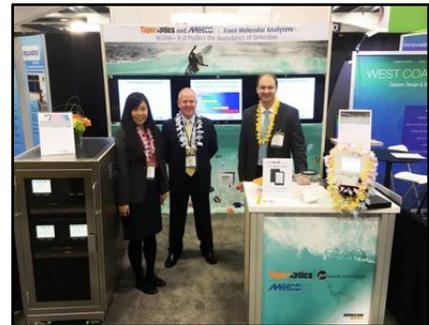
The Compressed Gas Association Standard, CGA G-10.1, Commodity Specification for Nitrogen, now cites Cavity Ring-Down Spectroscopy as an approved method for moisture measurement. Based on a unanimous decision by the members of the Atmospheric Gases and Equipment Committee in August 2016, this change is welcome news to our many users in the industrial gas community. Specializing in CRDS since 2001, Tiger Optics offers a proven range of moisture analyzers for N<sub>2</sub>. Contact us for more information or to request a quote today!

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## Protect Your Microenvironment from Harmful AMCs

### ***Tiger Optics offers Highly Speciated Acid Detection with new Mobile Cart***

Responding to the Semi industry's growing concern with HF, HCl and NH<sub>3</sub> releases, Tiger Optics introduces a robust, [mobile cart](#) to accommodate multiple, compact Tiger-i analyzers, known for their accuracy, speed of response, ease of use and scant cost-of-ownership. Our AMC cart, pictured to the right, debuted to great acclaim at July's SEMICON West Show in San Francisco.

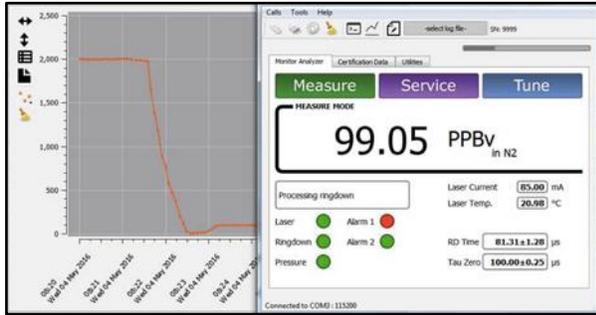


Click [here](#) for more information about AMC Cart.

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## Get Connected with Serani

***Powerful, Sophisticated New Interface Software for HALO-based Analyzers***



We are pleased to introduce the [Serani](#) custom interface software as an advanced alternative to HyperTerminal for communication with Tiger's flash-based product lines. [Serani](#) allows remote monitoring of your HALO 3, HALO OK, HALO KA, Spark, ALOHA+ H<sub>2</sub>O, or Tiger-i analyzer. Use any Microsoft Windows® PC for real-time streaming of concentration and other key parameters. Additional features include trend plotting, easy access to the

data filter, identification by gas type, alarm setting, and collection and storage of diagnostic data. Scanning steps for [remote certification](#) also available at the push of a button. Access the power of your analyzer via your network or serial connection!

[Contact Tiger Optics today for your FREE no-obligation 60-day trial!](#)

## Expanded Syngas, HyCO and Gas-to-Liquid Applications

### *See How Tiger Optics Improves Process Efficiency and Saves Operating Costs*



Today's Tiger analyzers provide a fast, accurate means for quantifying impurities, such as H<sub>2</sub>O, NH<sub>3</sub>, HCN and CO<sub>2</sub>, in Syngas and Hydrogen. Compared to other technologies, such as NDIR and FTIR, Tiger analyzers offer many important advantages for these applications. In addition to superior performance attributes, they save HyCO and Syngas plants time and money by eliminating interruptions for calibration, maintenance costs or plant trips due to chopper breakdowns or operator error. Case in point, our HyCO users demonstrate a 13-month payback on their investment! Thus, Tiger's higher upfront cost quickly pays for itself.

[Contact us](#) for more information on the CO-rekt, Prismatic 2 and HALO 3 for Syngas and Hydrogen.

## Blaze Trails with New SPARKs

### *Expanded Capabilities for CO<sub>2</sub> and Rare Gases*

Tiger's new SPARK H<sub>2</sub>O in CO<sub>2</sub> analyzers find use in a vast range of applications, such as the food & beverage industry, where CO<sub>2</sub> helps to preserve freshness and provide cooling for everything from processed meats to beer.

What's more, the low-cost SPARK H<sub>2</sub>O analyzer is now available for use in rare gases, including neon, krypton and xenon. Based on Cavity Ring-Down Spectroscopy, the Spark has an extremely fast speed of response (T<sub>90</sub> < 3 minutes) and is flow

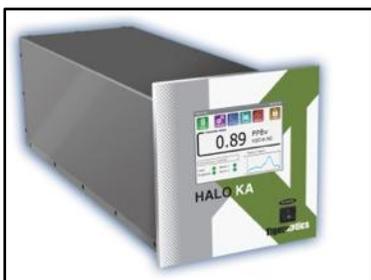


*independent*, making it ideal for monitoring expensive, rare gases. In fact, its flow rate can be reduced to as low as 50 cc per minute. Based on estimated xenon pricing of \$20~\$30 USD per liter, one major gas supplier reported to us that they can save ~\$100 USD in saleable product per cylinder by using Tiger analyzers instead of slower, high-flow alternatives. Start saving on material costs today with the Spark H<sub>2</sub>O!

Right now, Tiger is offering a [special promotional price](#) for this powerful product. [Email us now](#) to take advantage of our very special offer!

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## Smart Ways to Measure in Dopants



### HALO KAs Now Available for Germane Mixtures

Mixtures of germane (GeH<sub>4</sub>) and hydrogen (H<sub>2</sub>) are widely used in deposition processes in semiconductor and solar industries. To save on transport fees, leading fabs in Asia are moving towards blending GeH<sub>4</sub> at their locations, requiring on-site analysis. The HALO KA is the perfect solution for monitoring moisture in germane mixtures with detection limits as low as 10 ppb.

Click [here](#) for more information about the HALO KA.

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**About Tiger Optics:** Founded in 2001, [Tiger Optics](#) offers a wide and proven array of gas analyzers, as well as atmospheric and environmental 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 auto-calibration, ease-of-use, and freedom from moving parts and consumables. From the cleanest of semiconductor fabs to the harshest coal-fired stacks, our analyzers work to improve your yields, reduce costs and ease the burdens of regulatory compliance.

Please contact us at [sales@tigeroptics.com](mailto:sales@tigeroptics.com) or call 1(215)343-6600 for more information or to request a quote today!



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