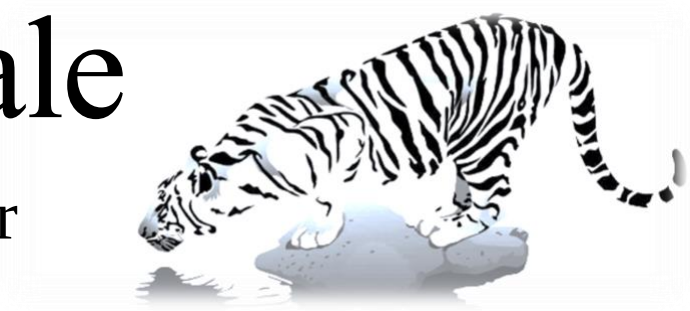
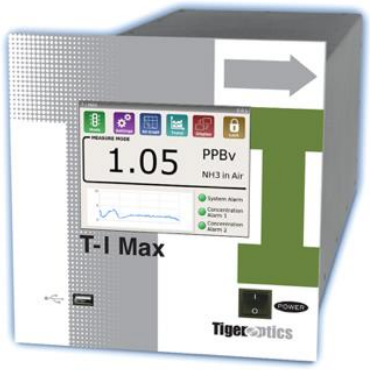
Tiger's Tale

Quarterly Newsletter

Winter, 2018



Meet the Next-Generation Cleanroom Monitors: T-I Max Series



Building on the success of our proven ambient Tiger-i air monitors, we proudly introduce the next-generation T-I Max series. Airborne Molecular Contamination (AMC) directly affects product yields and the performance of semiconductor fabrication tools. T-I Max monitors, designed to detect trace amounts of ammonia (NH_3), hydrogen chloride (HCl), and hydrogen fluoride (HF) in cleanrooms, offer significant improvements in detection limits and speed of response.

Our well-regarded Tiger-i platform of instruments take scant minutes to respond to intrusions, yet the T-I Max NH_3 delivers even faster measurement performance and detects down to parts-per-trillion (ppt) level of the contaminant.

Contact us or visit our website for more info on the new T-I Max series!

With T-I Max, Your Selective Catalytic Reduction Can Curb Ammonia Slip

Ammonia, an odor nuisance at a local level, is a critical atmospheric pollutant in its own right and also a major contributor to the formation of airborne particulate matter. The transport of secondary pollution, as well as ammonia itself, has a negative impact on air quality many miles from its source. It can also corrode plant infrastructure and foul equipment downstream, adding to maintenance costs and downtime at power plants, refineries, kilns, and other industrial combustion sources. Since NH_3 is often the reducing agent added to exhaust gas to be adsorbed onto a catalyst, it is crucial to measure and adjust the input efficiently.

Tiger Optics' Cavity Ring-Down Spectroscopy (CRDS) is ideally suited to the requirements of numerous environmental measurement applications, including process control for selective catalytic reduction (SCR) for these reasons:

- Drift-free, with accuracy traceable to the world's major national reference labs
- Freedom from interference
- No periodic sensor replacement/maintenance
- Speed of response within seconds
- Wide dynamic range

The low maintenance and calibration-free nature of Tiger's CRDS technology also affords extremely low Cost-of-Ownership and allows users to operate with confidence and ease in the field.

Contact us or visit our website for more information on the new T-I Max series!

Tiger Optics Aids Purifier Makers

Gas purifiers are devices that remove or convert undesired molecules or contaminants from gaseous samples. They are widely used for various industrial and research applications, including gas delivery systems, point-of-use purification, and bulk gas purification.

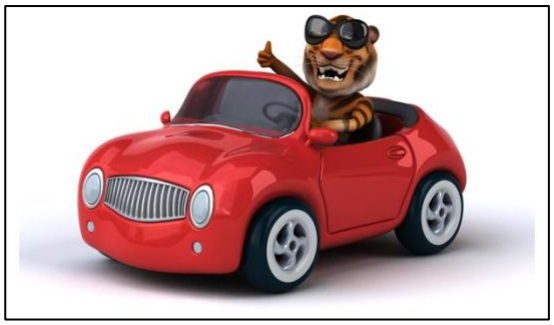
To address their development and qualification needs, Tiger Optics has developed various applications for gas purifier makers, as well as specialty gas companies and end-users within the Semi/LED market.

Highlights of our capabilities and offerings include:

- Multi-species, versatile technology
- Absolute accuracy and excellent sensitivity
- Global customer base and service support
- Low Cost-of-Ownership and ease of operation
- Customized product development

Contact us for more information about how we boost purifier makers' profit!

Tiger Service Package Offering



Tiger analyzers are Plug & Play. That said, in cases where field support is desired, we are always happy to arrange for on-site installation and commissioning upon request. Please contact us by clicking here to schedule your start-up.

Installation Support

- ✓ Unpacking & full system inspection
- ✓ Installation
- ✓ Utilities/facilities & environmental review, including sampling system
- ✓ Training on network & data storage

Analyzer Commissioning

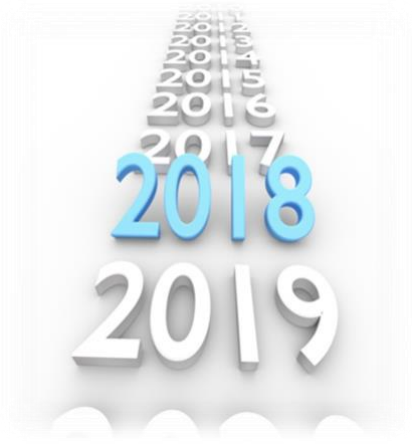
- ✓ Commissioning & Operational Verification
- ✓ Functional testing

Performance Verification

- ✓ 24-hour Performance Verification of analyzer precision, LDL and accuracy
- ✓ Tiger Optics will analyze data and confirm performance is in accord with factory specifications

Click here to learn more about Tiger's Service Package offerings, or contact us for a recommendation on how to achieve the highest level of success with your new product.

Don't Wait until the Last Minute to Start 2018 off great!



Tiger's low cost Annual Remote Certification will verify your unit is as accurate and reliable as the day it was shipped. We will provide a written certificate attesting to the accuracy of your unit.

The process is simple to initiate. Just reply to this email with a subject line stating **Remote Certification**, along with your contact information, company name, analyzer type and serial number. We will be in touch within 24 hours to help you become certified.

Plan ahead for your Tiger analyzer's annual certification by scheduling your performance verification with our Service Team today! WE want to help YOU make 2018 your best year yet!

***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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