

# NEWSLETTER



AMETEK Trace Analytical gas chromatographs

### Unmatched Sensitivity and Reliability in Trace Gas Chromatography

Discover the precision and reliability of **AMETEK Trace Analytical gas chromatographs**, available through ETA Process Instrumentation. Designed for ultra-sensitive analysis of trace impurities in ultra-high-purity (UHP) gases.

The **TA3000** is ideal for continuous process monitoring with isothermal operation and detector options including Reduction Gas Detector (RGD) for H<sub>2</sub> and CO, and Flame Ionization Detector (FID) for hydrocarbons.

The **TA5000** builds on this with even greater sensitivity and enhanced electronics, making it perfect for critical applications like bulk gas certification and environmental monitoring.

The **TA7000** Gas Purity Monitor complements this line by providing continuous, real-time measurement of total impurities in inert gases, with detection levels as low as 1 ppb, making it ideal for monitoring gas supply purity in demanding environments.



The Polytron 8000 Series Gas Transmitters

## Same design, same operating principle: The Polytron 8000 series

- All transmitters of this series have the same design and user interface, which guarantees a uniform operating philosophy.
- Your advantage: less training requirement and easier maintenance.
- The product family Polytron 8000 gas transmitters for stationary, continuous monitoring of gases and vapors in a suitable atmosphere.
- Each transmitter in the series is tailored to detect specific types of gases using various sensing technologies.
- Each model is part of a modular system where the Polytron 8000 platform serves as the intelligent transmitter housing, compatible with a variety of sensor heads for different gas detection technologies. This allows users to tailor solutions to specific applications while maintaining consistency in interface and operation.

[Read More](#)



## NEO Monitors LaserGas™ Tunable Diode Laser Spectroscopy (TDLS) Gas Analyzers and LaserDust™ Analyzers

**NEO Monitors** offers cutting-edge solutions for gas and dust monitoring with their advanced **LaserGas™** Tunable Diode Laser Spectroscopy (TDLS) Gas Analyzers and **LaserDust™** Analyzers. Designed for in-situ installation directly in the process stream, LaserGas™ TDLS analyzers eliminate the need for sample lines or probes and provide ultra-fast response times with T90 in seconds. They deliver accurate measurements from parts-per-billion (ppb) to percent levels across path lengths ranging from 4 inches to 90 feet, without stratification errors. With lasers that last over a decade and only require span calibration every 1–2 years, they set a new standard for reliability and low maintenance.

For particulate measurement, the LaserDust™ series—available in Medium Path (MP), Long Path (LP), and Extra Long Path (XLP) configurations—offers real-time, in-situ monitoring with response times as low as one second. These analyzers are ideal for hightemperature environments and are designed to optimize processes, reduce emissions, and minimize operational costs. With proven measurement techniques and easy installation, NEO Monitors' solutions ensure dependable, low-maintenance performance across a wide range of industrial applications.

[Read More](#)





## Krohne - Electromagnetic Flowmeters

KROHNE, the founder and global market leader in electromagnetic flowmeter technology, has been setting industry standards through continuous innovation for over 60 years. The OPTIFLUX product line exemplifies this legacy, offering a universal converter suitable for a wide range of applications. It features a unique diagnostics package capable of providing deep insights into the process, along with an intuitive interface and quick-start functionality that simplifies commissioning.

KROHNE's electromagnetic flowmeters are known for their high accuracy, long-term stability, and robust design, making them ideal for challenging environments across industries such as water and wastewater, chemical processing, food and beverage, and energy. These flowmeters are available in various liner materials and electrode options to ensure chemical compatibility and process reliability, even under harsh conditions.

[Read More](#)



## LAR - TOC Water Analyzers

*Measuring TRUE Water Quality Continuously*

LAR is your solution for the determination of parameters such as TOC, TNb, TOD, COD, BOD and toxicity. We are the only company worldwide that, using a high temperature method of 1,200°C, can completely oxidize a sample to accurately determine sum parameters. Particularly when measuring the TRUE TOC with differing of concentrations. For industrial, environmental and municipal applications.

### TOC Water Analyzer Solutions include:

- Harsh Wastewater Applications = LAR™
- QuickTOCultra™ Clean Water Applications = LAR™
- QuickTOCuvII™ Municipal & Cooling Water Applications = LAR™ QuickTOCeco™

[Read More](#)



- Optical Insertion Probes & Flow Cells
- Photometers
- Fiber Optic Cables
- Full-Spectrum Process Spectrometers
- Sampling Systems & Software

**Guided Wave** delivers a total solution that includes optically matched components and a well-planned calibration approach leading to long-term success and savings. Their state-of-the-art systems are designed for continuous online use, providing real-time data of laboratory quality while thriving in the most demanding processing plant environments. These analyzers are adaptive in nature; meaning that the analyzer can be programmed to measure many different parameters



### On The Blog >> Why the Right Gas Monitors Are Critical During Plant Shutdowns for an Optimal Turnaround

Gas monitors are often viewed purely as safety equipment. In reality, they are critical productivity tools during a shutdown.

Plant shutdowns are necessary for maintenance, inspection, and upgrades, but every hour offline carries operational and financial impact. The goal isn't just to complete the work. It's to achieve an optimal turnaround: returning the facility to full operation safely, efficiently, and on schedule. One of the most overlooked factors in achieving that outcome is having the right gas monitoring strategy in place from the

related to many different processes.

start.

[Read More](#)

*\*Explore our equipment rentals through MES!*

[Read More](#)



### OSHA Summer Summit Event

Wed, Jun 17, 2026 | 7:30 AM - 3:30 PM  
University of Massachusetts Amherst  
Murray D. Lincoln Campus Center  
91 Campus Center Way  
Amherst, MA 01003

#### Gas Detection Sensor Technologies

Presented by: Joel Myerson – President, Safety Inc. An overview of how electrochemical, catalytic, infrared, acoustic, and photo ionization (PID) sensors work. These sensors are used in both portable and fixed gas detection systems. New developments in technology for each type of sensor. The gases that can be measured by each type of sensor, the advantages and disadvantages for each



### ISA Niagara Frontier Section TECH EXPO

Tue, May 19, 2026 | 7:30 AM - 3:30 PM  
Buffalo Riverworks  
359 Ganson Street  
Buffalo, NY 14203

Coupled with educational instrumentation and automation seminars, this event is a must-attend for Engineers, Technicians, Educators, Consultants, and Technology Buffs.



Accurate flow measurement is essential to industries such as water treatment, chemical processing, and food and beverage manufacturing. Mag flow meters, also known as magnetic flow meters, play a crucial role in quantifying the flow of conductive fluids.

To guarantee precise and dependable measurements, **iFacility Services** offers **mag flow meter verification services** to validate the accuracy of your equipment.



ETA Process Instrumentation | 119 Foster Street, Bldg. #6, Peabody, MA 01960 | (978) 532-1330 | [sales@etapii.com](mailto:sales@etapii.com)  
[etapii.com](http://etapii.com) | [esafetyinc.com](http://esafetyinc.com) | [ifacilityservices.com](http://ifacilityservices.com)