

Product Descriptions and Offerings

Teledyne Tekmar, is the leader in analytical instrumentation for the laboratory. The Volatile Organic Compound (VOC) products are world-renown and include systems for Gas Chromatography Sample Introduction, High-Throughput Purge and Trap sample concentration, and Sample Automation. Tekmar's Total Organic Carbon (TOC) provide unparalleled accuracy, precision, throughput and robustness for water samples from semiconductor-grade to municipal wastewater.

Tekmar provides productivity-enhancing instrumentation to all industries, including Environmental, Pharmaceutical, Food and Beverage, Forensic, Industrial/Chemical and Polymers/Plastics.



Volatile Organic Compounds (VOC) Instrumentation

Purge and Trap: In 1974, Tekmar developed an idea that revolutionized the way laboratories performed Volatile Organic Compound (VOC) testing. Since then, Tekmar has continued to build on the foundation of the initial Purge and Trap technique one innovative layer at a time.

Atomx XYZ Automated VOC Sample Prep System



The Atomx XYZ is the second generation combined soil/water autosampler and purge and trap concentrator system in the Tekmar VOC product family. It is the only instrument of its kind to employ a unique automated methanol extraction feature for high level soils in accordance with USEPA Method 5035. Methanol rinsing, dilutions capability and three standard addition vessels all come standard on the Atomx XYZ. While priced competitively, the system offers unique features that cannot be found on any other sample prep system on the market today.

Lumin Automated VOC Sample Prep System



The Lumin Purge and Trap Concentrator (PTC) is used to remove VOCs out of aqueous and solid sample types using Helium or Nitrogen. Teledyne Tekmar has been the leader in this technology since its first PTC was released in the 1980s. Tekmar has continued to improve on this technique through eight generations of systems including the Lumin to meet the ever increasing analytical challenges faced by laboratories.

Volatile Organic Compounds (VOC) Instrumentation

A*QUATek LVA Waters-only Autosampler*

The AQUATek LVA is a Purge and Trap Autosampler that automates the sample preparation steps for the analysis of liquid samples via purge and trap. The system is capable of preparing samples such as drinking water and wastewater. With intuitive self-diagnostics and user-friendly software, the AQUATek LVA is the simplest, yet most robust autosampler on the market today.

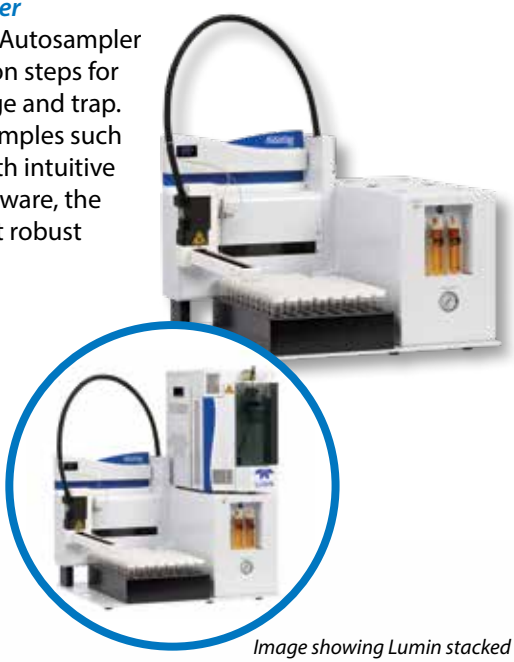


Image showing Lumin stacked on top of AQUATek LVA this stackable configuration minimizes the instrument footprint and saves lab bench space.



Total Organic Carbon (TOC) Analyzers

TOC is a popular analytical technique in water quality testing, as seen in many official analytical methods today. The United States Pharmacopoeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP), recognizes TOC as a required test for purified water and water for injection (WFI).

Fusion UV/Persulfate TOC Analyzer



The Fusion TOC Analyzer utilizes powerful Ultra Violet (UV) Persulfate oxidation allowing superior carbon liberation from even the most challenging matrixes. By implementing the patented Static Pressure Concentration (SPC) technology, the Fusion TOC Analyzer is able to achieve unprecedented low-end sensitivity from a Non-Dispersive Infrared (NDIR) detector. The Fusion TOC Analyzer is designed to offer productivity for a wide variety of applications.

Lotix Automated Combustion TOC Analyzer with LSS Boat



The Lotix TOC Combustion analyzer is designed to accurately measure carbon content in aqueous matrices down to the ppb level. It uses proven catalytic combustion, oxidation of carbon material into carbon dioxide, and detection using a Non-Dispersive Infrared (NDIR) detector.

Total Organic Carbon (TOC) Analyzers

Torch Combustion TOC Analyzer

The Torch Combustion TOC Analyzer utilizes patented Static Pressure Concentration (SPC) for the analysis of TOC using catalytic combustion. The Torch Combustion TOC Analyzer is designed to accurately detect carbon content in aqueous matrices. The NDIR detector allows for a degree of sensitivity previously unattainable.







TELEDYNE TEKMAR
Everywhereyoulook™
www.teledynetekmar.com

© 2022 Teledyne Technologies Incorporated
4736 Socialville-Foster Rd. • Mason, OH 45040 USA
Phone: (513) 229-7000
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