

Wasson-ECE Instrumentation

Analytical Solutions for Gas Chromatography

Differentiate your products from the competition with a solution strategy.

Wide Product Offering

Our business provides complete, turn-key solutions for gas chromatography. We tailor our products to meet specific customer needs. With our staff of chemists and engineers (chemical, electrical, mechanical, and software), our company can design, build, and integrate custom analytical systems that exceed customer expectations. This flexibility and custom approach to sample analysis separates you from the competition.

Global Experience

We have been providing analytical solutions to some of the biggest companies in the world for more than 22 years. Our reputation extends to more than 45 countries, with thousands of projects, involving the most demanding clientele. Our experience is an asset to your customer and a component of our value proposition.

Engage at a Higher Level

With Wasson-ECE as your solution partner, we can team up to ask your customer all of the right questions needed to define the project. The customer speaks directly with our chemists and engineers to design an instrument to meet their specific needs. Our knowledge backed by 22 years of experience helps to convey the value proposition to the customer and instills confidence.

Less Project Risk

The customer wants to trade money for analytical performance. If the customer buys a solution, rather than a "collection of parts", results are guaranteed and lowering the project. Low risk, guaranteed solutions are the easiest purchases to justify.



Analytical Project Management

Once the order is booked it requires competent attention to ensure nothing is overlooked and all the important components fold into the project where needed. As total solution providers, our project management skills are proven as is our flexibility to adjust to changes. We take pride in our ability to intelligently coordinate our suppliers, partners, and the expectations of our customers.

Complete Testing

Our solutions are tested and guaranteed to work. They are not "kits" that the customer must finish to achieve results. In our factory, each system is tested with customer provided samples and the resulting chromatograms are presented to the customer for their approval prior to shipment. Our systems do not leave the factory until our customers are 100% satisfied.

Technical Support

In our business model, the factory experts take responsibility for the technical support of instruments in the field. With design and test documentation for each system we deliver an unequaled level of support competency.

Automated Systems

One of our company's strengths is our ability to provide fully automated analytical systems. For in-plant use or simple pilot studies, automated systems yield a new level of analytical productivity. Many customers desire to transition laboratory technology to automated, in-line use.



WASSON•ECE
INSTRUMENTATION

Turn-Key Chromatography Solutions

Gas Chromatograph Applications: turn-key systems complete with all hardware, columns, and methods development tailored to your specific needs, and guaranteed. (ASTM, EPA, UOP, and Custom methods available)

Process Gas Chromatographs: state-of-the-art, multi-oven, multi-detector, on-line analyzers utilizing Window-based software customized for your needs.

Environmental Monitoring: automatic, at-source analyzers for the continuous monitoring of pollutants in municipal water systems, flue gas, vent streams and air.

Water Quality: automated, on-line analyzers utilizing gas phase sample extraction, membrane technology, and mass spectrometry for the continuous monitoring of pollutants in ground water, discharge water, wastewater, cooling water, drinking water, and river water.

Chromatograph Auxiliary Hardware: ovens, valving, plumbing, sampling systems, and special detector interfacing. Standard and custom configurations are available.

Autosamplers for Gas and LPG: provide hands-free, multi-sample automation for gas or LPG phase samples.

On-Line Total Sulfur and Total Nitrogen: low maintenance, easy-to-use analyzer with Windows-based instrument control software. Offers a variety of data handling configurations.

SimDis and DHA: both lab and on-line Simulated Distillation and Detailed Hydrocarbon Analysis utilizing easy-to-use Windows based software. DHA software available with more than 600 hydrocarbon component database.

Vaporizer: improves analytical results by accurately vaporizing liquified petroleum samples for introduction via a gas sampling valve.

Variable Pressure Sample System: controls the introduction of gas samples at various user selectable pressures to enhance, or test, linearity and expand useful sample dynamic range.

Concentration: concentrate ultratrace analytes in air or other light matrices, under ambient temperature trapping conditions, allowing for concentration factors of 1000X. The system automatically desorbs and injects the concentrate into a gas chromatograph.

GC/Mass Spectrometry: determines trace level impurities with increased sensitivity and positive identification.

