



Food and beverage analysis

Delivering trusted results to your lab bench

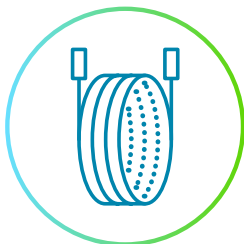
Unique solutions for your lab

We provide innovative equipment and expert support to help you overcome analytical challenges.

Learn More: ysi.com/lab-solutions



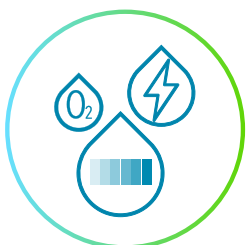
Automated Chemistry Analyzers



Gas Chromatography



Bio Analysis



Multimeter eChem



Extraction & Distillation



Polarimeters



Refractometers



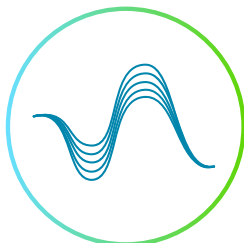
Temperature Data Loggers



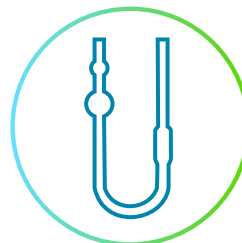
Titration



Total Organic Carbon



UV/VIS Spectrophometers



Viscometers

Our lab brands



O-I Analytical



Bellingham
+ Stanley®

-ebro®



SI Analytics®



Open your food and beverage lab to the possibilities...

Food safety and quality control are primary drivers behind the overall success of food and beverage manufacturers. At Xylem Analytics, our goal is to support you with innovative laboratory instrumentation that will offer high quality data so you can make informed decisions. From sugar to sulfur, and everything in between, we have solutions to meet your analysis needs. And, with more than a century of providing proven lab instrumentation to the food and beverage industry, you can rest assured knowing you have a team of experts supporting you.

Xylem Lab Solutions delivers the tools you need to streamline quality testing in food & beverage labs and manufacturing that can improve your efficiency, ensure your accuracy, and support safer and sustainable operations.

Measured inputs. Trusted outcomes.

- Brix
- Glucose, sucrose, lactate, and other analytes
- Total fat, free fat, crude fat
- Nitrogen/Protein
- Crude Fiber
- Brix/ Refractive Index
- Peroxide, moisture
- Sulfur compounds and pesticide
- Nitrate and nitrite
- Temperature





Brix, refractive index

For over 110 years, Bellingham + Stanley's experience in brix analysis is evident in their high-quality refractometer (laboratory and handheld) and polarimeter instrumentation.



Refractometers and Polarimeters

Refractometers, such as the **RFM-T Series**, incorporate a full-color touchscreen and Peltier Temperature control. These models are robust, simple to use, easy to clean, and offer a wide refractive index/brix range.

The **ADP 400 Series Polarimeters** contain proven optics featuring our "no maintenance" yellow LED and interference filter. Combined with a photodiode detector these technologies allow for the reading of samples of up to 3.0 OD (optical density) at the commonly used sodium (589nm) wavelength. The Refractometers and Photometers are both FDA 21 CFR Part 11 compliant.



Glucose, sucrose, lactate, and other analytes



Controlling near real-time measurement of key ingredients or unwanted by-products during processing is essential to food quality and safety. Traditional methods such as HPLC and GC/MS require expert operators, have higher maintenance costs and longer analysis times. For over 50 years, the **YSI's 2900 series of Biochemistry Analyzers, including the 2900D** makes it practical to measure over 15 specific analytes, providing an accurate result in about one minute with little or no sample prep.





Total fat, nitrogen/protein, non-protein nitrogen (NPN), crude fiber



For over 150 years, C. Gerhardt has been offering a wide range of food and beverage solutions such as the **N-Realyzer** state of the art, high through-put combustion analyzer for your nitrogen/protein analysis; **HYDROTHERM** automated acid hydrolysis and **SOXTHERM**® extraction system for fat determination; **KJELDATHERM** block digestion system and **VAPODEST 500**® steam distillation system for Kjeldahl nitrogen determination; or the **FIBRE THERM**® for feed fiber analysis.



These automated solutions will allow you to improve your lab throughput, safety, sustainability, and reproducibility—all with a low total cost of ownership.



Peroxide, moisture



YSI's MultiLab Pro IDS is a modern high-performance multiparameter device with up to 4 galvanically isolated measuring channels for pH, ORP, mV, conductivity, oxygen, ISE and turbidity measurements. Also features GxP compliance, and measures in accordance with 21 CFR Part 11.



The **TitroLine** family have been helping labs improve their productivity for over 100 years. These automated titrators make coulometric, potentiometric or Karl Fischer analysis easy.



Temperature, Pressure, Cold Chain Monitoring



Ebro measuring devices

Ebro delivers trusted solutions for the agricultural market with a full range of innovative testing technologies. From data loggers and handheld meters to specialty probes and evaluation software, ebro ensures accurate, reliable results that support smart decision-making across the supply chain.

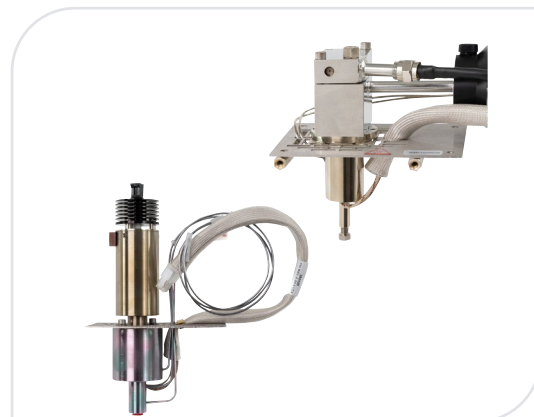


Sulfur compounds and pesticides



Sulfur compounds uniquely contribute to the overall taste and aroma in complex flavor mixtures. Gas chromatography (GC) detectors like OI Analytical's **5383 Pulsed Flame Photometric Detector (PFPD)** provides the sensitivity and accuracy to selectively detect trace levels of sulfur compounds.

Another GC detector with over 50 years of delivering analytical insight, the OI Analytical **5370 XSD™**, offers selective detection of halogenated compounds such as chlorinated pesticides, herbicides, and PCBs.



Nitrate and nitrite



The possibility of nitrate and nitrite being introduced to milk and milk products during processing, makes testing for these contaminants crucial from a QA/QC standpoint and is required for importing or exporting products. OI Analytical's **Flow Solution 3700** automates flow injection analysis (FIA) and segmented flow analysis (SFA) and provides significantly higher sample throughput with the ease of its intuitive, plug-and-play design.



Xylem l'zīlām|

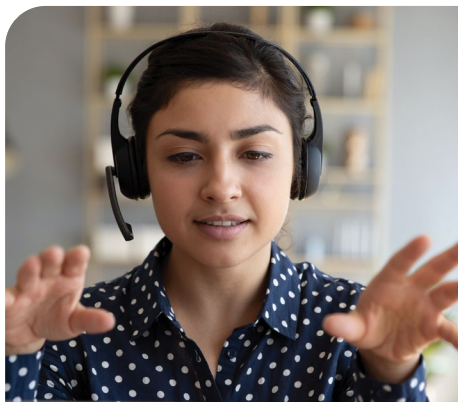
- 1) the tissue in plants that brings water and nutrients upward from the roots.
- 2) a leading provider of unique solutions for your lab.

Xylem Lab Solutions' global brands have been leaders in the laboratory instrumentation market for decades, and are relied upon every day across more than 150 countries. Working in true partnership with our clients, we listen, learn and adapt to individual needs, offering deep application expertise built upon our long history of innovation in instruments and services. Our solutions for analysis, measurement and monitoring help enable many of today's modern laboratories and industrial processes, and provide our customers the trusted and high performing solutions they need to succeed.



Our support goes beyond instrumentation

We have all the consumables and supplies and we also offer in-house and in-field technical support to keep you up and running. Reach out to your local sales person to see what products are available in your region.



Technical support

We are here to get your products up and running. It may be a phone call to our tech support team or an on-site visit for installation and familiarization.



Consumable & spares

We offer a full compliment of operating supplies and spares. A well-maintained instrument will deliver the best results. Our eCommerce is set up to help you get what you need quickly.



Service contracts

Now that your unit is up and running and generating superior data, we are here to help you keep it that way. We offer in-house bench repair, on-site services, and scheduled preventative maintenance contracts.

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Learn more:
ysi.com/lab-solutions

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