



VECTRA

Liquid Autosampler

The Vectra, from TE Instruments, is a powerful and versatile autosampler that handles a broad range of laboratory automation challenges.

Unlock a new era of efficiency and precision in your lab with our state-of-the-art sampler packed with innovative features. The Vectra is designed to revolutionize your processes, whether you are in the (petro)chemical, environmental or any other industry. Our sampler is your trusted partner for high-throughput sampling.

Next-Gen Flexibility

Designed with the customer's daily challenges in mind and aligned with TE Instruments' vision to be the most innovative producer in the laboratory world, the new Vectra autosampler was developed.

This new sampler concept was created to achieve maximum uptime, minimize maintenance costs, and ensure high throughput and flexibility.

Features	Benefits
• Integrated HD camera.	• Auto position recognition and calibration.
• Position feedback and auto position recovery.	• Increasing reliability and safety.
• High sample capacity with max. 350 sample positions.	• Maximizing your sample throughput.
• High-performance conditioned trays.	• Superior cooling and heating capabilities.
• Versatile syringe compatibility with volumes ranging from 10 to 250 µL.	• Flexibility in using different syringes.
• Auto syringe exchange (3 parking positions) without operator intervention.	• Working continuously and automated.
• Seamless integration in TEIS software.	• Allowing customized methods.

Elevate your laboratory's liquid handling capabilities today. Our sampler is far more than just a piece of equipment; it is a solution that redefines lab automation.

Sampler Specifications

System type	XYZ autosampler
Dimensions	Within footprint of analyzer
Compatibility	Xplorer Series / Xprep C-IC
Weight	6.3 kg / 13.9 lb
Voltage	100-240V, 50-60Hz, 1.5A, 70W (normal operation 20W)
Communication	USB
Software	Controlled by TEIS software
Liquid handling speed	Selectable from 0.1 to 30 µL/s
Liquid handling volume	1 to 250 µL
Vial positions	Up to 350 positions
Vial size	2 ml standard vials
Conditioned tray	Optionally 1 x 50 or 2 x 50 position racks for 2 ml vials
Sample cooling	12.5 °C / 54.5 °F below ambient temperature
Sample heating	Up to 65 °C / 149 °F
Various syringe options	100 µL syringe by default
Injection precision	<0.2% RSD
Carry-over	<0.01%
Max. sample viscosity	40 cSt at 20 °C / 68 °F



Test Method Compliance

The Vectra autosampler, when combined with TE Instruments' elemental combustion solutions, ensures complete compliance with the international test methods relevant to your application, forming a powerful and reliable combination.