



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

Keeping the customer's daily challenges in mind and aligning with TE Instruments' vision to be the most innovative producer in the laboratory world, the new Vectra autosampler has been designed.

Achieving maximum uptime, minimizing maintenance costs, and ensuring high throughput and flexibility necessitated the development of a new sampler concept.

| 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 | SCARA 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) |
| Control protocol | USB |
| Software | Controlled by TEIS software |
| Liquid handling speed | Selectable from 0.1 to 30 $\mu\text{L}/\text{s}$ |
| Liquid handling volume | 1 to 250 μL |
| Vial positions | Up to 350 positions |
| Vial size | 2 ml standard vials |
| Conditioned tray | Optional on 1 x 50 or 2 x 50 position racks for 2 ml vials |
| Sample temperature control | Cooling: 15 $^{\circ}\text{C}$ / 59 $^{\circ}\text{F}$ below ambient temperature Heating: up to 65 $^{\circ}\text{C}$ / 149 $^{\circ}\text{F}$ |
| Standard syringe | 100 μL syringe |
| Injection precision | <0.2% RSD |
| Carry-over | <0.01% |
| Max. sample viscosity | 40 cSt at 20 $^{\circ}\text{C}$ / 68 $^{\circ}\text{F}$ |



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.