

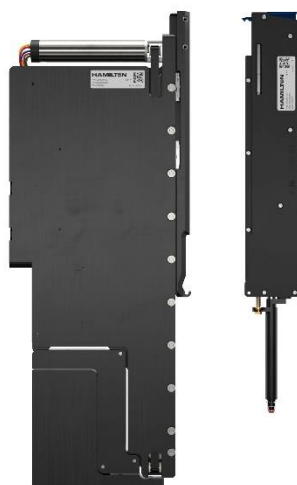
Hamilton Unveils Next Generation of Air Displacement Pipetting Technology: ZEUS X1



Hamilton announces the release of its latest innovation, ZEUS X1. Designed for seamless OEM integration, **ZEUS X1 (Z-Excursion Universal Sampler™ - eXchange Series 1 mL)** combines Hamilton's advanced **CO-RE®II** (compressed O-ring expansion) technology with revolutionary air displacement pipetting technology.

This automated pipetting module conquers the challenges of pipetting with various active monitoring and correction methods, ensuring process security from start to finish. Unlike traditional liquid-filled air displacement systems, ZEUS X1 incorporates a solid-state piston, resulting in improved performance and reduced maintenance requirements.

"With the launch of the industry's first single-handed swappable pipette head, Hamilton's Zeus X1 delivers comprehensive downstream maintenance and reduced total cost of ownership without sacrificing exceptional pipetting performance," says Jesse Warnke, Vice President of Laboratory Products at Hamilton.



One of the challenges in air displacement pipetting is the compressibility of air, which can affect the accuracy and precision of results. To overcome this, ZEUS X1 is designed to consider and compensate for various liquid characteristics, including density, surface tension, volatility, viscosity, and more. Additionally, it addresses the crucial aspect of aspirating from the liquid surface, ensuring reliable and consistent pipetting.



The ZEUS X1 is equipped with Pressure and Capacitive Liquid Level Detection (pLLD & cLLD), Qualitative Pipetting Monitoring™ (QPM), and [Anti-Droplet Control \(ADC\)](#), ensuring successful tip pickup, ejection, and every step in between. This, combined with the unmatched performance of CO-RE®II technology, makes this device a game-changing addition to the field of air displacement pipetting.

To learn more about ZEUS X1 visit their website at www.hamiltoncompany.com/ZeusX1.