

Axceed Reaction Monitoring Solution

Introducing the Axceed Reaction Monitoring Solution

Axceed's revolutionary line-up of eco-friendly, compact and portable HPLC instruments and accessories are designed to deliver unparalleled performance and reliability.

Engineered to provide real-time information that accelerates the discovery and development process, the Axceed system is the only separations Process Analytical Technology (PAT) system that's small enough to be placed in a hood or immediately adjacent to the reaction vessel. The solution consists of the Axceed Focus LC®, Axceed SampleBox, and Axceed cartridge containing the column oven and UV detector.

The Axceed Reaction Monitoring Solution is an automated reaction monitoring system capable of unattended sampling, identification, and quantification of reaction components via HPLC. HPLC serves as a primary process analytical technology for small molecule reaction monitoring in the pharmaceutical, petrochemical and agrochemical industries.



Take the Lab to the Sample

The Axceed Focus LC® high-performance liquid chromatography (HPLC) system is engineered to provide precise and reliable results so you can push the boundaries of scientific analysis. It's small enough to be easily placed near the sample source and powerful enough to meet the needs of any state-of-the-art laboratory. It's optimized for low solvent consumption, waste reduction, and energy conservation, and delivers the performance and reliability you need for the highest confidence in your daily results.

- X-Y footprint remains with that of the Focus: 21.6 cm x 35.5cm (8.5" x 14")
- Fits in a hood, closer to reaction
- Easy to use software for fast setup
- Axceed Drive, Agilent OpenLab, or DataApex Clarity instrument control

Clean samples mean clean results.

Sample preparation is an essential part of successful chromatography. A sample needs to be optimally prepared so it can be injected directly onto an HPLC column. The Axceed SampleBox is purpose-built to interface directly with the Axceed Focus LC® as a sample introduction device. The Axceed Reaction Monitoring system is used to monitor chemical reactions from batch or continuous processes, especially where limited sample is available. The Axceed SampleBox and Focus LC are placed next to the synthetic chemistry workstation for sampling and analysis.

More information at www.axceedcorp.com

SPECIFICATIONS

Axcend SampleBox

Dimensions	H: 22.8cm / 9.0"; W: 22.0 cm / 8.7"; D: 24.2 cm / 9.6"
Weight	11.9 lb / 5.4 kg
Bi-directional Pump System	<p>Solvent/reagent selection via 2-position or multi position valve</p> <p>3x 5000 psi LDV switching valves (standard configuration 2x 3-port 2-position, 1x 6-port 2-position for automated online sampling/filtering with automated filter backflush)</p> <p>Optional valve configurations available – 2-position up to 6 ports, multi-position up to 7 ports</p> <p>Application kits for a range of sampling and preparation workflows, easily customized for a range of applications</p> <p>Capable of standalone operation, app-based programming – fully integratable with wide range of instruments</p> <p>Pre-written and fully customizable automation routines with easy-to-use interface</p> <p>Automation modes – Timed Interval, bi-directional IO, or manual</p> <p>24V low voltage power system for a broad range of operating environments</p>

Optimized Sample Prep with the Axcend SampleBox

The Axcend reaction monitoring solution for Process Analytical Technology (PAT) prevents the usual problems from occurring and permits higher analytical accuracy to be attained.

- o No blockage of your HPLC column
- o Higher sensitivity of your HPLC column
- o Higher accuracy
- o Fewer false-positive peaks
- o Less background noise
- o No leachables

Get more information and a customized demonstration today: info@axcendcorp.com

Take the Lab to the Sample™