



Small Footprint. Unmatched Flexibility.

The industry's smallest-footprint HPLC system delivers reliable, real-time data—on your terms.



The Axcent Focus LC® is a fully functional HPLC system built to deliver dependable, real-time data in a compact form factor. Unlike conventional systems that are bulky and lab-constricted, the Focus LC fits wherever you need it—whether on the benchtop, under the hood, or at the point of need. Designed with analytical chemists in mind, it offers the precision and repeatability you expect from a trusted HPLC, with a form factor that removes traditional barriers to access—opening up new possibilities for where and how high-performance analysis can be done.

Space-Saving. Lab-Ready.



In today's crowded labs, space is limited. Weighing just 18 pounds, the Focus LC takes up about the same footprint similar to common benchtop instruments like a microcentrifuge or compact spectrometer—small enough to fit in fume hoods, glove boxes, or tight benchtop spots. It's a smart choice for labs that need full functionality without giving up valuable space.

Take the Lab to the Sample™



The Focus LC is fully integrated and designed to deliver high-resolution chromatographic analysis wherever it's needed. Whether you're troubleshooting a process or conducting at-line testing, it eliminates the delay of sample transport—bringing fast, actionable data directly to your workflow.

Sustainable by Design



The Focus LC reduces solvent use by up to 1000x, produces minimal hazardous waste, and consumes far less energy than traditional LCs. With just 15 mL solvent and waste vials, it offers a cleaner, greener, and more cost-effective path to high-quality analysis.

Key Features



Binary High-Pressure Gradient Pumping

Delivers up to 10,000 psi with precise flow control (0.4–10 μ L/min) for reliable, high-resolution performance at capillary scale.



Cartridge-Based System

Includes easily replaceable cartridges containing the UV detector, capillary column, and column oven—streamlining maintenance and maximizing uptime.



LED UV Detection

Integrated UV detection with discrete LEDs at 235, 255, and 275 nm ensures excellent sensitivity and repeatability.



Flexible Sample Introduction

Supports manual injection or automated sampling via the AutoFocus™ autosampler or the InFocus™ for on-line and at-line integration.



Software Compatibility

Works with Axcend Drive™, Axcend's proprietary software, or third-party software like OpenLab, Empower and Clarity for streamlined method development and data acquisition.

Technical Specifications

Dimensions (WxDxH)	22.8 x 22.0 x 24.2 cm (9.0 x 8.7 x 9.6 in)
Weight	8.0 kg (17.6 lb)
Pump System	Binary high pressure gradient, dual syringe pump system, 0.4 - 10 μ L/min, 689 bar (10,000 psi) max
Column Temperature Control	With HCC cartridge: ambient +5 °C to 80 °C
Wavelength Range	Fixed LED: 235, 255, 275, 295, 315, 360 nm
Injection Volume	Internal loop injection valve: 4, 10, 40 nL External loop injection valve: >200nL
Wetted Materials in Sample Flow Path	Stainless steel, fused silica, polyimide, PEEK, DLC, carbon-reinforced PEEK
Mobile Phase and Waste Vial Volumes	15 mL
Operating Conditions	4 - 45 °C, max 80% relative humidity (non-condensing)
Solvent Compatibility	Typical RP/NP mobile phases, pH range 2.0-10.0
Software Control	Axcend Drive™, Agilent OpenLab, DataApex Clarity
Electrical Power	100-240 VAC, 50/60 Hz
Battery Run Time	Typically >10 h without column heating, 6 h with column heating
Communication	TCP/IP ethernet

Small and Mighty

The Focus suite of instruments and accessories is built upon the foundation of the Axcend Focus LC® and utilizes patented and miniaturized technology that provides a high level of sensitivity, separation power and flexibility. The Focus LC is available with a range of UV-LED and deuterium lamp options. The Focus line offers two sampling accessories, the AutoFocus™ with a 40 vial / 96 well plate autosampler and the InFocus™ for PAT monitoring. Superior sensitivity and linearity are possible with Axcend's FocusArray™, a broad spectrum diode array detector. Each module sits neatly on top of or beneath the Axcend Focus LC to minimize instrument footprint and enable mobile use. The system is compatible with capillary columns from vendors across the industry, providing immense application flexibility.

