



## Analytical HPLC System LD-LAHS-B12

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# Analytical HPLC System LD-LAHS-B12

## Overview

Analytical HPLC System LD-LAHS-B12 is an advanced, highly effective analytical HPLC system with UV-Vis detector with 190 nm to 700 nm wavelength range, and High pressure constant flow pump with the flow range of 0.001 to 10.000 ml/min (step 0.001 ml/min). This HPLC system delivers accurate, reliable results with improved working efficiency. Incorporated with powerful software to control, capture and analyze data, manage the operation.

## Features:

- Pumping system: High Pressure Constant Flow Pump
- UV-Vis Detector with 190 nm to 700 nm wavelength range
- Intelligence control of components via workstation
- High pressure constant flow pump with the flow range of 0.001 to 10.000 ml/min
- Delivers accurate, reliable results with improved working efficiency
- Advanced USB chip and optoelectronic isolation ensures stable communication
- Powerful software to control, capture and analyze data, manage the operation
- Real time pressure display, warning for maximum and minimum pressure for security purpose
- Front panel access for quick (parts) replacement without disassembling the instrument

## Applications:

Analytical (HPLC) High Performance Liquid Chromatography system has been widely used in Research and Development, Pharmaceutical, Biochemistry, Food Science, Environmental Science for analysis and detection of impurities, ligand-exchange chromatograph, high-pH anion-exchange chromatograph of carbohydrates and oligosaccharide, water purification, pre-concentration of trace components, ion-exchange chromatograph of proteins.

## Specifications:

<b>UV-Vis Detector</b>	<table><tr><td>Linear</td><td>2.0 AU</td></tr><tr><td>Wavelength Range</td><td>190 – 700 nm</td></tr><tr><td>Noise</td><td>? ± 0.5, 105 AU</td></tr><tr><td>Drift</td><td>? 1.0 x 10<sup>4</sup> AU/h</td></tr><tr><td>Cell</td><td>Analytical: Optical Path 10 mm, 11 µL   Semi-Prep Scale: Optical Path 2 mm, 6 µL</td></tr><tr><td>Power Supply</td><td>AC 220 V ± 10%, 50 Hz</td></tr><tr><td>Power</td><td>100 W</td></tr><tr><td>Weight</td><td>16 kg</td></tr><tr><td>Dimension (L x W x H)</td><td>420 x 300 x 175 mm</td></tr></table>	Linear	2.0 AU	Wavelength Range	190 – 700 nm	Noise	? ± 0.5, 105 AU	Drift	? 1.0 x 10 <sup>4</sup> AU/h	Cell	Analytical: Optical Path 10 mm, 11 µL   Semi-Prep Scale: Optical Path 2 mm, 6 µL	Power Supply	AC 220 V ± 10%, 50 Hz	Power	100 W	Weight	16 kg	Dimension (L x W x H)	420 x 300 x 175 mm
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