

# Analytical HPLC System

## LAHS-B10



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Analytical HPLC System LAHS-B10 is a unit equipped with LCD display UV-Visible wavelength range of 190 nm to 700 nm and double plunger reciprocating pump system for constant flow pump. It has isocratic kit system for test result accuracy. Consists of separate workstation, sample injector and front mounted self-locking switch. Deuterium lamp is used as light source with valve mounting frame. It is ideally used in the detection of compounds in pharmaceutical industries, research institute, food industries, and petroleum industries, etc.

### Features:

- Double plunger reciprocating pump system
- Isocratic system kits
- Sample injector: 1 set
- Deuterium lamp light source
- Separate workstation
- LCD display for value observation
- Front mounted self-locking switch
- Output: USB port
- Compact and easy to install

### Application

Widely used in pharmaceutical, petroleum, research institute, food industrial applications in separation and detection of mixture of compounds in chemical analysis, poison analysis, environmental analysis, protein food detection, medicine testing, and polymer analysis.

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## Specifications

Model No	LAHS-B10
<b>High Pressure Constant Flow Pump</b>	
Double plunger reciprocating pump	1 set
Flow range	0.001 to 10.00 mL/min
Setting step size	0.001 mL/min
Flow accuracy	$\leq \pm 0.3 \%$
Flow stability	RSD $\leq 00.1 \%$
Maximum pressure	42 MPa
Display pressure error	$\leq 1.0 \%$
Pressure fluctuation	$\leq 1.0 \%$
Power consumption	80 W
<b>UV/Visible Detector</b>	
Wavelength range	190 to 700 nm
Wavelength repeatability	$\pm 0.1$ nm
Band width	8 nm
Response time	0 to 4.9 seconds
Linearity range	1.8 AU (5 %)
Baseline Noise	$\leq \pm 1 \times 10^{-5}$ AU
Baseline drift	$\leq 2.0 \times 10^{-4}$ AU/h
Minimum detectable concentration	$4.0 \times 10^{-9}$ g/mL
Detector cell	Optical path: 10 mm
	Volume: 10 $\mu$ L
Light source	Deuterium lamp
Power consumption	100 W
Voltage	AC 110 V/ 220 V $\pm 10 \%$ , 50/60 Hz
Packing Dimensions (W $\times$ D $\times$ H)	600 $\times$ 440 $\times$ 380 mm
	2 $\times$ (600 $\times$ 410 $\times$ 300 mm)
Gross weight	54 kg