



ANALYTICAL HPLC SYSTEM

LAHS-C10

Analytical HPLC System LAHS-C10 is an advanced, highly effective analytical HPLC system with DAD (Diode Array Detector) detector with 190 nm to 800 nm wavelength range, and Low-pressure quaternary 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 analyse data, manage the operation.

Features

- ❑ Pumping system: Low-Pressure Quaternary Constant Flow Pump
- ❑ DAD Detector (Diode Array Detector) with 190 nm to 800 nm wavelength range
- ❑ Intelligence control of components via workstation
- ❑ Low-pressure quaternary 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 analyse 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

Application

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

Model	LAHS-C10
Low pressure quaternary flow pump	
Flow range	0.001 to 10.000 ml/min (step 0.001 ml/min)
Gradient accuracy	$\leq \pm 1\%$
Retention time repeatability	$\leq 0.1\%$

Maximum working pressure	63 MPa
Mixed volume	750 μ l
Communication method	UDP Network communication
Power Supply	AC 220 V \pm 10%, 50 Hz
Power	100 W
Dimension (L×W×H)	400×300×180 mm
Weight	15 kg

DAD Detector (Diode Array Detector)

Linear	≥ 2.0 AU
Wavelength Range	190 to 800 nm
Noise	$\leq 1.0 \times 10^{-5}$ AU
Drift	$\leq 2.0 \times 10^{-4}$ AU/h
Power supply	AC 220 V \pm 10%, 50 Hz
Power	180 W
Dimension (L×W×H)	500×300×175 mm
Weight	18 kg

Other parameters

Solvent bottle tray	1 pc
Sample injector	Rheodyne 1 pc
Column	Supersil ODS2 5 μ m ID 4.6×200 mm 1 pc
Workstation	Advanced control system
Mounting frame	Yes
Degasser	Yes
System kit	Yes (e.g. wrench, screwdriver, pipe etc.)
Power supply	AC 220 V \pm 10%, 50 Hz
Power	180 W
Packing Dimension (L×W×H)	600×440×380 mm \times 2, 320×190×230 mm \times 2
Gross weight	34 kg

Optional Accessories

- ☐ Auto sampler
- ☐ C18 column (ID10*250,C18,10um)
- ☐ Column oven
- ☐ 500 ml solvent bottle×4 pcs