



Equal degrees

Gradient

LC 600B

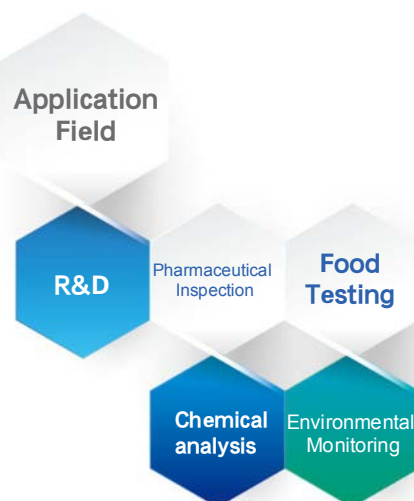
High Performance Liquid Chromatograph

INTRODUCTION

LC 600B intelligent fully controlled liquid chromatography system adopts modular design, P600B high pressure constant current pump, UV600B UV-visible variable wavelength detector and 600B system controller to form the isometric/gradient analysis system. Infusion pump adopts plunger floating installation mode, enhances the stability and durability of the instrument performance, the instrument is easy to operate, a variety of configurations for customers to choose.

PERFORMANCE CHARACTERISTICS

- 1. Rich functions - to meet the different needs of customers for analysis.**
The hardware has VP function, records maintenance information and operation records, and meets GLP/GMP requirements. System controller has clock, thermometer, hygrometer and other humanized design functions.
- 2. Excellent performance -- to meet customers' strict requirements for instruments.**
 - 2.1 Infusion pump made of corundum material structure of the plunger, enhanced teflon sealing ring, plunger floating installation, enhance the stability and durability of the instrument performance;
 - 2.2 Detector adopts imported deuterium lamp, photocell and 1200 /mm concave grating double beam monochromator, precision machining double lens flow cell, high precision microprocessor controlling wavelength adjustment, double channel high-speed sampling frequency, ensuring low noise, low drift and ultra-high sensitivity;
 - 2.3 After the mixer is evenly mixed, the baseline collected using the gradient program maintains good reproducibility.
- 3. reliable results -- to meet customers' accurate requirements for results.**
 - 3.1 The analysis results have good accuracy;
 - 3.2 Simple interaction mode, easy for customers to skillfully operate the software;
 - 3.3 The software adopts multi-window mode, easy to operate.
- 4. Exquisite appearance : To meet the customer's visual requirements of the instrument exquisite appearance, bring visual enjoyment.**
- 5. A variety of user software - to meet the needs of different users.**
Dedicated chromatographic data workstation embedded in the detector, V15890, N2000, N3000 three sets for customers to use, GMP pharmaceutical factory special, to meet the needs of different users.
- 6. With automatic online detection function.**



Matching Products

Six-way injection valve

Autosampler

Ultrasonic Cleaner

Chromatography Column Warmer

Online degasser

Solvent filter

Vacuum Pumps

Liquid Chromatography Columns

TECHNICAL PARAMETERS

P600B High pressure constant current infusion pump	
Mode of fluids infusion	Micro volume series double plunger
Maximum infusion pressure	0~9999Psi
Flow setting range	0.001 ~ 9.999mL/min (0.001mL/min Step size adjusts the flow rate)
Flow set value error	≤0.5%
Flow stability error	RSD≤ 0.2%
Gradient error	±1% (0 ~ 100% water / Acetone aqueous solution 2 gradient)
Pressure fluctuation	< 15Psi (flow rate 1mL/min, pressure 600 ~ 1600Psi)
Pump seal	Pressure 5400Psi, time 10min, Pressure drop less than 400Psi
Time program function	Yes
Size	290×130×420mm
Weight	11kg
Ambient temperature range	4~40°C
UV600B Uv-vis variable wavelength detector	
Wavelength range	190nm~700nm
Wavelength indication error	≤ ±1nm
Wavelength repeatability error	≤ ±0.1nm
Dynamic noise	±0.75×10 ⁻⁵ AU (Methyl alcohol, 1mL/min, 254nm, 20°C)
Static noise	±0.5×10 ⁻⁵ AU (Empty pool, Response time 1 second, 20°C)
Dynamic baseline drift	±1×10 ⁻⁴ AU/h (methyl alcohol, 1mL/min, 254nm, 20°C)
Static baseline drift	5×10 ⁻⁴ AU/h (Empty tank, Response time 1 second, 20°C)
Linear range	≥ 10 ⁴
Minimum detection concentration	1×10 ⁻⁹ g/mL (Naphthalene/methanol solution)
Qualitative repeatability	RSD≤ 0.1% (n=6)
Quantitative repeatability	RSD≤ 0.2% (n=6)
Spectral bandwidth	6nm
Flow tank volume	8μL
Optical path	10mm
Time program function	Yes
Size	290×130×420mm
Weight	11kg
Ambient temperature range	4~40°C
Optional detector	
Differential refractive detector	RI2000
Differential refractive detector	RI-201H
Fluorescence detector	RF-20A
Diode array detector	SPD-M20A
Typical evaporative light scattering detector	ELSD-5000
Typical evaporative light scattering detector	ELSD-180