



Performance characteristics:

LC310 High performance Liquid Chromatograph has improved its separation, sensitivity, speed, accuracy and stability.

Advanced series pump and check valve incorporated the world most advanced experiences in manufacturing and application,

ensuring the user can achieve the accuracy and pulsation of solvent deliver. The minimum system dead volume helps to

improve the working ability 100%. LC-310 HPLC has provided complete solution to liquid chromatography.

Technical specifications:

Technical specifications of the pump:

Flow rate Control Range: 0.001~9.999mL/min(step adjustable flow rate:0.001mL/min)

Flow rate stability deviation: $S_r \leq 0.3\%$ RSD<0.006%

Specification Error SS: $SS \leq 2\%$ (Flow rate 1mL/min, pure water, pressure 5~10Mpa, room temperature)

Pressure linearity and test accuracy: indicates pressure error smaller than 0.5Mpa (0~42MPa)

Pulse pressure: ≤ 0.1 MPa (Flow rate 1mL/min, pressure 5~10Mpa)

Airproof of pump: pressure 42MPa, time 10min, and pressure fall< 0.5MPa

Maximal operating pressure: 42MPa(flow rate: 0.001~9.999mL/min)

Dimension: 450mmX300mmX160mm (length x width x height)

Technical specifications of UV detector:

Wavelength range: 190~680nm

Spectral bandwidth: 8nm

Wavelength indicated value error: $\leq \pm 1$ nm

Wavelength repetitiveness: better than 0.1nm

Baseline noise: $\leq 2 \times 10^{-5}$ AU(Dynamic)

Baseline drift: $\leq 2 \times 10^{-4}$ AU(Dynamic)

Minimum detectable concentration: 1×10^{-8} g/ mL (naphthalene/methanol solution)

Dimension: 450mmX300mmX160mm (length x width x height)

Standard configurations:

Standard P100 high pressure constant flow pump

UV100 UV detector

7725i manual injector

Exformma Pronaos Series chromatographic column

WS100 workstation software

The above configurations may vary upon users' requirements.

Application fields:

Science and Education

Agriculture

Fishery

Pharmaceutical

Petrochemical