Based on years of comprehensive experience in research and development, LC-310 Liquid Chromatograph achieves the best balance in performance and stability. LC-310 High-performance Liquid Chromatograph features improved separation, sensitivity, speed, accuracy and stability. Advanced series pump and check valve ensure the user can achieve the accuracy and pulsation of solvent delivery.
DM100 Dynamic Mixer
Dynamic mixing technology allows homogenous mixing of mobile phase, making the testing more accurate.

CO100 Column Oven
Temperature control range: 5 C to 80 C
Temperature control precision: +/- 0.1 C with microcomputer control.

Taper design of the flow cell improves signal to noise ratio up to 24% and improves measurement sensitivity.

LC-310 Plus
Isocratic configuration with column oven

USB communication

LC-310 Plus
Binary high pressure gradient configuration
Liquid Chromatograph System

**Configurations:**

- Standard P100 high pressure constant flow pump
- UV100 UV detector
- 7725i manual injector
- Exformma Pronaos Series chromatographic column
- WS100 workstation software

**Note**

The above configurations may vary upon users' requirements.

**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: Sr≤0.3%  RSD<0.006%
- Specification Error S: S≤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: ≤0.1MPa (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: ≤±1nm
- Wavelength repeatability: better than 0.1nm
- Baseline noise: ≤2×10⁻⁴AU(Dynamic)
- Baseline drift: ≤2×10⁻⁴AU(Dynamic)
- Minimum detectable concentration: 1 X 10⁻⁶g/mL (naphthalene/methanol solution)
- Dimension: 450mmX300mmX160mm (length x width x height)
Powerful and easy-to-use WS100 Work Station Software

WS100 Work Station Software delivers advanced control and features fully automatic integration of UV Detector and high pressure constant flow pump. Employing full digital control, WS100 Work Station simplifies workflow and generates maximum precision.

Skyray has been providing customers around the world with reliable and affordable Scientific Instruments for more than 20 years.

Product description and specifications in this document are subject to change without notice. Copying, distributing or any use of material contained in this document for any commercial purpose without permission from Skyray Instruments USA, Inc is prohibited.