



Product Code . JL-TWL-9106

Liquid Chromatography Digital System

Description

Liquid Chromatography Digital System

Specification:-

HPLC:-

Ultra speed data processing by Network HPLC.

Designed for all you need in the lab.

Enhanced superior performance.

Versatile dedicated applications.

Accurate and reliable data.

Stylish and compact design.

Quaternary Pump:-

Operating principle: Parallel dual-plunger pump, Low-pressure gradient.

Number of Solvents: up to 4 solvents.

Gradient formation: 4-channel mixing valve.

Composition Precision: < 0.1%.

Composition Accuracy: < 0.5%.

Binary Pump:-

Operating principle: Double parallel dual-plunger pump,

High-pressure gradient.

Configure with Gradient pump.

Vacuum Degasser:-

Number of channel: 4 channels.

Maximum flow rate: 10ml/min per channel 0~2.0ml/min per channel for 70% Gas Removed from Methanol.

Internal volume per channel: 925 ul per channel.

Materials in contact with the solvent.

Teflon AF, PEEK, and Glass-filled PTEE.

Column Compartment:-

Temperature range: 4°C (Cooling) - 90°C

Temperature stability: $\pm 0.05^\circ\text{C}$

Temperature accuracy: $\pm 0.5^\circ\text{C}$

Column capacity: Max. 3 ea of 30 cm column (Analytical)

Max. 2 ea of 30 cm column (Semi-Prep)

UV/Vis Detector:-

Wavelength Range: 190~900nm (Dual wavelength)

Data collection rate: up to 50Hz

Noise level: $< \pm 0.5 \times 10^{-5}$ AU, 254nm, dry cell

Drift: $< 1 \times 10^{-4}$ AU/hr

Linearity: $> 99.5\%$ for 2.5AU (acetone, 254nm)

PDA Detector:-

No. of PDA Channel: 1024

Wavelength: 190 ~ 950nm

Noise Level: 2×10^{-5} AU (Empty Cell, 1 sec Rise Time, 254nm)

Drift: 2×10^{-4} AU/hr (Baseline Correction), 0.001AU/hr (Room Temp)

Wavelength Accuracy: 1nm (HY-1 Holmium Oxide Filter)

RI Detector:-

RI Range: 1.00~1.75 RIU

Noise: 5×10^{-9} RIU (Analytical) / 10×10^{-8} RIU (Semi-prep)

Flow Cell Volume: 9 ul (Analytical) / 7 ul (Semi-prep)

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