

High Performance Liquid Chromatography (HPLC)



CE



- For scientific and research application
- High quality system with high accuracy
- Advanced double-piston pump & Column Oven
- Easy to install, operate and use
- PC-controlled with simple chromatograph data processing software

Description

Scientific and reasonable function and structure design satisfy your needs for accuracy and reproducibility to the maximum.

Building-block modular design enables easy use and convenient maintenance. Rich function PC control and chromatograph data processing software makes it simple for instrument control and data processing.



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nnovation

High pressure solvent delivery pump adopting electronic pulsation suppression technology displacing traditional mechanical buffer to thoroughly solve the problem caused by frequent leakage of mechanical buffer, and to reduce the dead volume of solvent delivery system to the minimum.

The wavelength positioning of Multi-wavelength UV-VIS detector is realized via the grating's turning which is directly controlled by the SCM (Single Chip Mickeyo). It has taken place the conventional sine-pole mechanics (monochromator), eliminating the error of wavelength positioning brought by the mechanical abrasion and returning error of the Guide-screw transmission, and also avoiding the monochromator's hitting accident which might be brought by false operation.

Performance

High pressure pump

Advanced double-piston pump and electronic residual technique, greatly improves the flow rate precision and repeatability of the pump.

Flow rate range:	0.001~9.99mL/min in 0.001 mL/min increments
Structure:	double-piston pump
Flow rate precision:	0.
Repeatability:	0.1
Pulsation:	0.0 Pa
Pressure range:	0~ 0 Pa
radient mode:	a low pressure gradient system up to solvents & a high pressure gradient system up to solvents
Remote control:	RS- connector, PC control
System protection:	Soft start, P min and P max ad ustment
Display:	LCD, 1
Dimensions (H D):	0 190 10mm
Detector	- S detector
avelength	Time-programmed wavelength charge function, reali ing online wavelength switch.
Baseline drift:	1 10 ⁻⁸ A /h at 0nm, t 1.0s
Baseline noise:	10 ⁻⁸ A at 0nm, t 1.0s
avelength range:	190~ 0nm, λ nm
avelength accuracy:	1nm
Time constants:	0.1/0. /0. /1.0/ .0/ .0/10.0
Analog output:	1
Auto- ero range:	full scale
Light source:	deuterium lamp
Dimensions (H D):	0 190 10mm

Column oven

Highest temperature establishing, overrun temperature alarming.

Control mode:	PID
Temperature control range:	ambient~100 C
Temperature accuracy:	±0.3 C
Safety setting-up:	overrun temperature limit alarming
Display: establishing	4 bits LED (red-actual temperature, green-temperature)
Column:	2
Remote control:	RS-232 connector, PC control
Inside dimensions	(W×H×D): 50×380×50mm
Outside dimensions	(W×H×D): 120×500×230mm

PC control and Chromatograph data processing system

Complete PC control function, realing parameter control and real-time monitoring to all parts, including column oven.

Analytical task can be completed in single sampling, with automatic processing of chromatograph data and obtaining perfect spectra.

Backstage operation function enables data processing to the existing spectra, while analysis is going on.

The gradient program of the pump and wavelength time-program of the detector can be established.

The test report format can be flexibly modified.

Timer turn-off function is provided.





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Order information

0. 90.001	HPLC-1 Package	socratic system, PC control and Data processing software complete package include: P- 1 HPLC Pump D- Multi wavelength Detector - Sampling valve C1 Column 0mm x . mm,	Pkg.	1
0. 90.00	HPLC- Package	socratic system, PC control and Data processing software complete package include: P- 1 HPLC Pump D- Multi wavelength Detector - Sampling valve C-1 Column 0mm x . mm, O- 0 Column Oven	Pkg.	1
0. 90.00	HPLC- Package	Binary high pressure gradient system, PC control and Data processing software complete package include: P- 1 HPLC Pump ty D- Multi wavelength Detector - Sampling valve C1 Column 0mm x . mm,	Pkg.	1
0. 90.00	HPLC- Package	Binary high pressure gradient system, PC control and Data processing software Complete package include: P- 1 HPLC Pump ty D- Multi wavelength Detector - Sampling valve C-1 Column 0mm x . mm, O- 0 Column Oven	Pkg.	1

0. 90.100	P- 1	HPLC Pump	pcs.	1
0. 90.101	D-	Multi wavelength Detector	pcs.	1
0. 90.10	-	Sampling valve	pcs.	1
0. 90.10	C-1	Column 0mm x . mm,	pcs.	1
0. 90.10	O- 0	Column Oven	pcs.	1

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