

iChrom 5100 High Performance Liquid Chromatography System

iChrom 5100 system can load variety of configurations, such as manual valve and automatic sampler, detectors including UV, DAD, LIFD, RI, ELSD, and widely used in food, medicine, environmental protection and scientific research.

Features:

- * High integrated SPI, I2C bus and ARM micro-controller technology Poston floating design makes more stable flow.
- * Intellectualized sequence analysis and batch processing functions bringing more convenience.
- * Automatic wavelength positioning and excellent wavelength accuracy.
- * Enable 21 CFR Part 11 compliance.



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P5100 Series Pumps:

P5101 high pressure pump; P5102 high pressure binary pump;
P5103 low pressure quaternary pump



Flow Range	0.001~10.000 mL/min (step 0.001 mL/min)
Accuracy	≤±0.2%
Precision	≤0.06% RSD
Pressure Range	0- 63 MPa
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/25 kg

D5101 UV-VIS Detector:



Linearity	≥2.0 AU
Wavelength Range	190~800 nm
Noise	≤±0.25*10 ⁻⁵ AU
Drift	≤0.5*10 ⁻⁴ AU/h
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/16 kg



D5115/5116 Diode Array Detector:

Linearity	≥2.0 AU
Wavelength Range	190~800 nm
Noise	≤±1.0*10 ⁻⁵ AU
Drift	≤2.0*10 ⁻⁴ AU/h
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	540*400*160 mm (L*W*H)/16 kg



O5101 Column Oven:

Temperature range	Ambient + 5 °C~85°C
Accuracy	±0.1°C
Precision	±0.1°C
Power	AC220 V±10%, 50 Hz/130 W
Dimensions/Weight	540*400*120 mm (L*W*H) /15 kg



M5100 System Controller:

M5100 system controller integrates data communication hub, power distribution hub, solvent tray, and on-line degassing.
M5101 System controller for iChrom 5100
M5102 System controller for iChrom 5100 with binary on-line degassing
M5103 System controller for iChrom 5100 with quaternary on-line degassing use with P5103

On-line Degasser	2-4
Wetted Materials	PEEK, Teflon® AF
Power	AC 220V±10%, 50 Hz/30 W
Dimensions /Weight	540*400*120 mm (L*W*H)/10 kg

Technical Parameters:

Model	iChrom 5100 (Type I)	iChrom 5100 (Type II)	iChrom 5100 (Type III)	iChrom 5100 (Type IV)
Pump	P5101*1	P5102*1	P5103*1	
Detector	D5101*1			DAD5115 512 *1
System Controller	M5101*1		M5103*1	
Sampler Injector	Rheodyne 7725*1			
Column	Supersil ODS2 5µm ID4.6*200mm *1			
Workstation	Kromstation*1			Kromstation+PDA
Valve Mounting Frame	VB5101 *1			
System Kit	iChrom 5100 *1			
Power Supply	AC220V±10%, 50Hz			
Optional Accessory	500ml Solvent bottle*2, Column, Column Oven, S5100 Auto-sampler, M5102 System controller (for iChrom 5100 (type II))		500ml Solvent bottle*4, Column, Column Oven, S5100 Auto-sampler	
Package Size(W*D*H)	700*570*350mm*2 700*570*310mm*1			
Gross Weight	66ka	75ka	77ka	77ka