

EClassical 3100 High Performance Liquid Chromatography System



EClassical 3100 System is perfected from classical HPLC systems manufactured by our company, the high quality has widely recognized by customer. It is suitable for users who are looking for the versatility and robustness. The excellent features ensure the reliability results and improve working efficiency.

Characteristics:

- * Comprehensive and flexible
Isocratic system, binary gradient system, quaternary gradient system is available. Detection capabilities include DAD, UV/Vis, FL, RI and ELSD.
- * Stable and reliable
Advanced USB chip and optoelectronic isolation technology ensuring stable communication.
- * Simple and safe
Powerful software makes it simple to control, capture, manage and analyze. Real-time pressure display, maximum and minimum pressure warning ensure the security.



P3100 High-Pressure Constant Flow Pump:



Flow Range	0.001~10.000 mL/min (step 0.001 mL/min)
Accuracy	≤±0.2%
Precision	≤0.06% RSD
Pressure Range	0-45 MPa
Power	AC 220 V±10%, 50 Hz/80 W
Dimensions/Weight	420*300*175 mm (L* W*H)/12 kg

P3130 Low-Pressure Quaternary Constant Flow Pump:



Flow Range	0.001~10.000 mL/min (step 0.001 mL/min)
Gradient Accuracy	≤±1%
Retention Time Repeatability	≤0.1%
Maximum Working Pressure	63 MPa
Communication Methods	UDP Network Communication
Mixed Volume	750μL
Power	AC 220 V±10%, 50 Hz/100 W
Dimensions/Weight	400*300*180 mm (L* W*H)/15 kg



UV3100 UV-Vis Detector:

Linear	2.0 AU
Wavelength Range	190~700 nm
Noise	≤±0.5*10 ⁻⁵ AU
Drift	≤1.0*10 ⁻⁴ AU/h
Cell	Analytical: Optical path 10 mm, 11μL Semi-prep scale: Optical path 2 mm, 6 μL
Power	AC 220V±10%, 50 Hz/100 W
Dimensions/Weight	420*300*175 mm (L*W*H) /16 kg



DAD3100 Diode Array Detector:

Linear	≥2.0 AU
Wavelength Range	190~800 nm
Noise	≤±1.0*10 ⁻⁵ AU
Drift	≤2.0*10 ⁻⁴ AU/h
Power	AC220 V±10%, 50 Hz/180 W
Dimensions/Weight	500*300*175 mm (L*W*H) /18 kg



O3100 Column Oven:

Temperature Range	Ambient + 5 °C~85 °C
Accuracy	±0.3 °C
Precision	≤0.1 °C
Power	AC220 V±10%, 50 Hz/130 W
Dimensions /Weight	420*300*120 mm (L* W*H)/7 kg

Technical Parameters:

Model	EClassical 3100 (Type I)	EClassical 3100 (Type II)	EClassical 3100 (Type III)	EClassical 3100 (Type IV)
Pump	P3100*1	P3100*2	P3130*1 (With mixer)	
Detector	UV3100*1			DAD3100 512*1
Gradient Mixer	/	TD-1-15*1	/	
Solvent Bottle Tray	TP3100*1			
Sampler Injector	Rheodyne 7725*1			
Column	Supersil ODS2 5μm ID4.6*200mm*1			
Workstation	Kromstation*1			Kromstation+PDA
AD Adapter	/			AD adapter + startup kit
Valve Mounting Frame	ZJ-1*1		ZJ-4*1	
Degasser	/		DG3110*1	
System Kit	EClassical 3100*1			
Power Supply	AC220V±10%, 50Hz			
Optional Accessory	500ml Solvent bottle*2, Column, Column Oven, S3100 Auto-sampler, Degasser		500ml Solvent bottle*4, Column, Column Oven, S3100 Auto-sampler	
Package Size (W*D*H)	600*440*380mm*2 580*400*280mm*1	600*440*380mm*3 580*400*280mm*1	600*440*380mm*2 320*190*230mm*1 500*360*210mm*1	600*440*380mm*2 330*200*260mm*1 600*400*240mm*1
Gross Weight	40kg	55kg	45kg	49kg