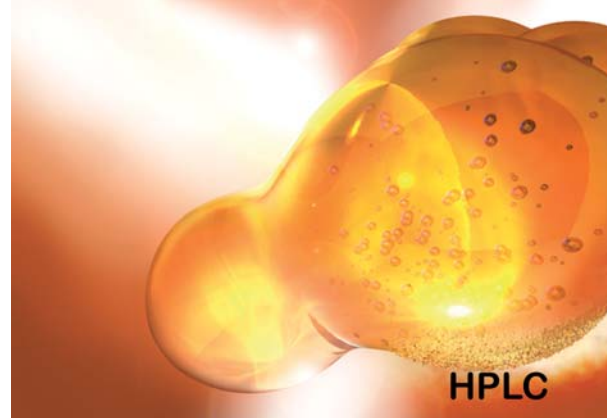


Specification Sheet

LC-2010

Integrated HPLC System



		LC-2010C	LC-2010A
Pump	Pump type	Serial dual plunger, micro volume (10 μ L on primary side, 5 μ L on secondary)	
	Flow rate setting range	0.001 ~ 5 mL/min. (1.0 - 35.0 MPa)	
	Flow rate accuracy	\pm 1% (1 mL/min, 3.0 - 10.0 MPa, using water and fixed ambient temperature of 20°C, except during gradient solvent delivery), \pm 2% (except for above conditions) or \pm 2 μ L/min, whichever is greater	
	Flow rate precision	0.075% RSD or 0.02 min SD, whichever is greater (0.05 - 2 mL/min, 1.0 - 35.0 MPa, methanol 20°C constant temperature)	
	LPGE	Number of solvents and setting range	Up to 4 solvents 0 to 100%, 0.1% steps
Concentration accuracy		\pm 0.5% (aqueous acetone/water, binary gradient, flow rate 0.1 - 2.0 mL/min, pressure 1.0 - 20.0 MPa)	
Concentration precision		\pm 0.1% (aqueous acetone/water, binary gradient, flow rate 0.1 - 2.0 mL/min, pressure 1.0 - 20.0 MPa)	

Specification Sheet: LC-2010 Integrated HPLC System (2/3)

		LC-2010C	LC-2010A	
Sampler	Injection Method	Variable volume injection possible (without sample loss)		
	Injection volume setting range	0.1 - 100 µL (standard), 1 - 2000 µL (optional) (0.1 - 0.9 µL on 0.1 µL steps, 1 to 2000 µL in 1 µL steps)		
	Sample capacity	1 mL vial	350	
		1.5 mL vial	140	210
		4 mL vial	100	
		MTP	4 96- or 384-well micro titer plates	
		DWP	4 96-well deep-well plates	
	Injection repeatability	RSD < 0.3% (with 10 µL injections)		
	Carry over	0.01% (under naphthalene analysis conditions)		
	Injection volume accuracy	± 1% (50 µL, n=6)		
	Injection volume correction	Possible		
Sample cooler (LC-2010C)	4 - 40°C using Peltier element			
Oven	Type	Block heating/cooling with preheating of the mobile phase		
	Temperature control precision	± 0.1°C		
	Temperature control range	(Ambient temperature -15°C) to 60°C		

Specification Sheet: LC-2010 Integrated HPLC System (3/3)

		LC-2010C	LC-2010A
UV Detector	Light source	Deuterium lamp	
	Wavelength Range	190 - 600 nm	
	Bandwidth	8 nm	
	Wavelength accuracy	± 1 nm	
	Wavelength precision	± 0.1 nm	
	Drift	1x10 ⁻⁴ AU/h (250 nm air cell)	
	Noise level	± 0.25 x 10 ⁻⁵ AU (for response of 1 s, 250 nm, air cell)	
	Cell path length, cell volume	10 mm, 8 µL (STD flow cell), 5 mm, 2.4 µL (semimicro flow cell)	
	2 wavelengths monitoring	Any two wavelengths from 190 - 370 nm or 371 - 600 nm	
Controller	Display	Backlit liquid crystal display (320 x 240 dots), black and white	
	Memory media	3.5 inch floppy disk drive (disk format 2HD, MS-DOS)	
	Input/output terminals	2 x external inputs, 2 x external outputs, 1 x optical link (for chromatopac), 1 x RS-232C (for PC connection)	
Operating temperature range		4 - 35 °C	
Power requirements		AC 100 - 240 V	
Dimensions		W 430 x D 520 x H 605 mm	
Weight		52 kg	47 kg