

Specifications of LC-2010HT

(UV Detector, Controller, General)

Item		LC-2010HT (228-45103-3X)
UV Detector	Light source	Deuterium lamp, Low pressure mercury lamp (for wavelength accuracy check)
	Wavelength range	190-600nm
	Bandwidth	8nm
	Wavelength accuracy	±1nm
	Wavelength reproducibility	±0.1nm
	Cell	10mm, 8 µL
	Cell temperature control	Standard (Setting temperature: High, Low, and OFF, 3 steps)
	Drift	1 x 10 ⁻⁴ AU / h (250nm, air in cell, constant, room temperature)*
	Noise level	±0.25 x 10 ⁻⁵ AU (2 sec. time, constant, 250nm, air in cell)*
	Linearity	~2.5AU
	Simultaneous dual wavelength measurement	Selectable, two wavelengths in 190-370nm or 371-600nm
Signal output	2 channels	
Controller	Display	Backlit LCD display (320 x 240 dots)
	Memory media	3.5 inch floppy disk drive (disk format, 2HD, MS-DOS)
	Input / output terminals	2 x external inputs, 2 x external outputs (+3 option), 1 x optical link (for Chromatopac), 1 x RS-232C (for connection to PC), 2 x detector signal output (for integrator), BCD output of sample number (option)
	File number	Method: 20 files System preparation: 10 files Shut-down: 2 files Sequence: 1 file
	Solvent delivery unit control	Flow rate, Concentration, Max. pressure, Min. pressure, Linear, Step, Exponential function
	Auto sampler control	Sample injection volume, Number of injections, Analysis time, Analysis file number
	Column oven control	Oven temperature, Max. temperature
	Detector control	Wavelength, Time constant, Lamp ON / OFF, Integrator output range
	Self diagnostics, Safety feature	Memory check, Max / Min pressure, Oven max. temperature, Lamp current, motor error check, Leak sensor, Lamp cover sensor, Lamp housing max. temperature
	Automation function	Auto start-up, Auto shut-down, Baseline stability autojudgment, Auto validation (Wavelength, Lamp energy, Solvent delivery pulsation, Column temperature, Absorbance, Baseline drift, Baseline noise, Pressure limit, Gradient accuracy) Auto purge, Cell auto recognition, Column management (option) Memory check, Max / Min pressure, Oven max. temperature, Lamp current, Motor revolution monitor, Leak sensor, Lamp cover sensor, Lamp housing max. temperature
Applicable solvent	Organic solvents (except fluorine solvent, e.g. HFIPA), Aqueous solution and mixture of diluted acid or base (except halo-acids, e.g. hydrochloric acid)	
pH range	1-13 standard	
Liquid contact surface materials	SUS316, Ruby, Sapphire, PTFE, Hasteloy C, PEEK, Trifluoroethylene, PFA Perfluoroelastomer, Quartz, Ceramic	
Operating Ambient temperature range, humidity	4-35 °C Max. 80% humidity	
Power requirements	AC 100V-240V, 700VA, 50 / 60Hz	
Size	W430 x D500 x H705 mm	
Weight	52kg	47kg

*Condition according to ASTM E1657-96