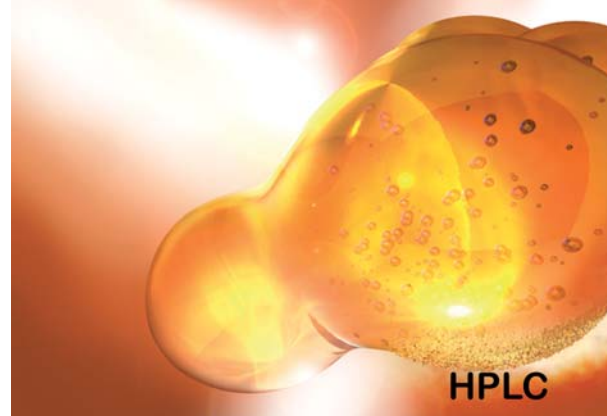


Specification Sheet

SIL-HTA
SIL-HTc



High Throughput Autosampler

		SIL-HTA	SIL-HTc	
Sampler	Injection Method	Variable sample 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- or 384-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)		
	Injection volume correction	Possible		
	No. of injections	1 – 99 times per sample		
	Setting of analysis time	0.01 – 9999.9 (0.01 min increments to 999.9 min, 0.1 min increments over 1000 min)		
	Number of steps for injection conditions	Max. 102 steps		
	Sample suction speed	0.1 – 15 µL/sec (0.1 µL steps for 0.1 – 0.9 µL/sec, 1 µL steps for over 1 µL)		
Rinsing liquid suction speed	1 – 35 µL/sec (1 µL/sec steps)			
Maximum pressure	20.0 MPa			

Specification Sheet: SIL-HTA/HTC Autosampler (2/3)

			SIL-HTA	SIL-HTC
	Sample cooler (SIL-HTC only)	Method	Direct cooling method (at 4°C setting, room temperature must be less than 30°C and humidity <70%)	
		Temperature setting range	4 – 40°C	
		Operating ambient temperature range	4 – 35°C	
System Controller	Display		Backlit liquid crystal display (320 x 240 pixels), 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)	
	No. of analysis files		20 files (parameter, time program)	
	Number of fraction collector files		10 files (parameter, time program)	
	Analysis sequence files		102 steps	
	Pump control		<u>Solvent delivery modes:</u> isocratic, high-pressure gradient, low-pressure gradient, constant pressure solvent delivery <u>Programs:</u> flow volume, pressure, concentration, upper pressure limit, lower pressure limit, linear, step, index function (all are multiple steps)	
	Autosampler control		Sample injection volume, number of repeated analyses, analysis time, analysis file number, etc.	

Specification Sheet: SIL-HTA/HTC Autosampler (3/3)

		SIL-HTA	SIL-HTc
System Controller (continued)	Column oven control	Oven temperature, upper temperature limit	
	Detector control	Detection wavelength, range, time constant, lamp ON/OFF, scanning conditions, etc.	
	Self-diagnosis and safety measures	Monitoring abnormalities through checks of memory, upper and lower pressure limits, oven temperature upper limit, lamp current and motor speeds	
Operating pH range		pH 1 – 14	
Operating conditions		4 – 35°C, <70% humidity	
Wetted surface materials		SUS316, PEEK, Ceramics	
Power requirements		150 VA	300 VA
Dimensions		W 540 x D 500 x H 415 mm	
Weight		40 kg	45 kg