

Gas Chromatography (GC)

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Sample Introduction System		sample injector and evaporation chamber						
	Temperature range	Ambient temperature $+7^{\circ}C \sim 400^{\circ}C$ (in 1°C increment)						
Column	Temperature accuracy	± 0.02°C						
Oven	Cooling time	400°C to 50°C in 8-10 min at 25°C ambient						
	Programmed temperature setting	0.1°C~40°C/min (in 1°C increment)						





	Program ramps	7 ramps in total (10 ramps available with control workstation)		
	Size (L*W*H)	284*280*241mm(inside) 340*345*281mm(outside)		
Flame Ionization Detector	Detection limit	≤3×10-12g/s (C16)		
(FID)	Best test result	≤3×10-12g/s (C16)		
	Drift	≤6×10-13A/30min		
	Noise	≤5×10-14A		
	Linearity range	≥106		
Thermal Conductivity Detector	Sensitivity	≥5000mV, mL/mg (C16)		
(TCD)	Baseline noise	≤20µV		
	Drift	$\leq 60 \mu V/h$		
	Linearity range	≥104		
Flame Photometric Detector	Detection limit	$\leq 8 \times 10-13 \text{g/s}(\text{P}); \leq 8 \times 10-11 \text{g/s}(\text{S})$		
(FPD)	Drift	≤2×10-11A/30min		
	Baseline noise	≤5×10-12A		
Nitrogen- Phosphorus Detector (NPD)	Detection limit	$\leq 5 \times 10-12$ g/s (N) (Azobenzene) $\leq 5 \times 10-13$ g/s (P) (Malathion)		
GC fitting Stainless stee All the contact Regulator of H Installation of Dia2",L8" Filled Gas cyli Hydrogen gas cy	e l piping or H or &fitting al <mark>lydrogen</mark> , Reg descant nders will be cylinder linder	Pure air or compressed Air ong with payroll will be provided by client gulator of Helium provided by the client:		
Intsallation c	harges inclu	iding TA/DA		





For: Technocratics



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