

GC-MS Coupling

Mass Spectrometer

Manufacturer	Agilent, Jeol
Mass range	>1000
Mass resolution	Unit mass (adjustable by tuning)
Ionization energy	Standard 70 eV (selectable range: 5 to 241.5 eV)
Scan rates	>20000

Gas Chromatograph

Manufacturer	Agilent
Valve box	<ul style="list-style-type: none"> ▪ Heatable up to 350°C ▪ Sampling loop 250 µl or 500 µl ▪ Optional two loops
Injector	<ul style="list-style-type: none"> ▪ Split, splitless, pulsed split ▪ Max. 450°C
GC column	<ul style="list-style-type: none"> ▪ Standard HP-5ms column ▪ Length 30 m ▪ Max. 325°C ▪ Exchangeable

Transfer System from TGA or STA

Heated furnace adapter	Max. 350°C
Heated transfer line	Glass-lined steel pipe max. 350°C
Length of transfer line	1.5 m (other lengths on request)
Bypass system for excess gas at the furnace	Yes