



Agilent 5975E GC/MSD

The Agilent 5975E GC/MSD is a bundled system that provides outstanding value for routine analysis. The system consists of a 7820A GC, 5975 series GC/MSD, a PC loaded with MSD ChemStation Software and a printer. An optional 7693A automatic-liquid sampler and 150 vial tray, or Headspace sampler can be added for increased productivity.

Data Sheet



Agilent 5975 GC/MSD

Mass Selective Detector

Mode	EI
Ion source type	High temperature, heatable to 350 °C
Mass filter	Monolithic hyperbolic quadrupole
Maximum mass	1050 u
Detector	Triple-Axis-Detector HED-EM with extended life EM
Scan rate (electronic)	Up to 12,500 u/s
Pumping system	65 L/s diffusion pump, 80 L/s turbomolecular pump with 2.5 m ³ /h mechanical pump
Installation checkout specifications	100:1 S/N of 1 pg OFN with Helium carrier gas

Agilent MSD Productivity ChemStation Software

SIM/Scan	Synchronous SIM/Scan and AutoSIM setup
Application Autotunes	One click autotune for BFB, DFTPP
Spectral libraries (optional)	NIST, Wiley, Pfleger-Maurer Drug, and Stan Pesticides



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Agilent 7820A

Gas Chromatograph

Inlet	Split/splitless (standard)
S/SL Inlet	400 °C maximum operating temperature Pressure range: 0 to 60 psi Maximum split ratio: 250:1

Column Oven

Operating temperature	8 °C above ambient to 425 °C
Temperature setpoint resolution	1 °C
Temperature programming ramps	Five

Heated Zones

Independent heated zones	Five total (two inlets, two detectors, and one auxiliary)
Electronic Pneumatics Control (EPC)	Available on all inlets and detectors
Detectors	Supports one detector besides MSD.
Available Detectors	Flame ionization detector (FID) Thermal conductivity detector (TCD) Electron capture detector (ECD)* Nitrogen phosphorous detector (NPD)

Physical Requirements

GC Dimensions	49 cm (height) × 56 cm (width) × 51 cm (depth) Average weight 50 kg
MSD Dimensions	40.8 cm (height) × 29.8 cm (width) × 54 cm (depth) Average weight 39 kg Additional space should be added for the data system and printer

*ECD not supported in Japan

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