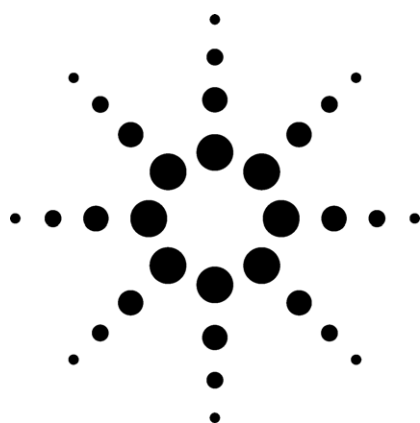


# Agilent 5975 inert GC/MS System

## Data Sheet



### GC/MS

The Agilent 5975 inert Gas Chromatograph/Mass Spectrometer is the latest GC/MSD with higher performance and capabilities. The instrument incorporates the solid inert source of previous models to give even better sensitivity for active compounds.

New with this model are eMethods, a simple means of complete method transfer. Now it is possible to share methods between 5973 and 5975 MSDs or to download methods directly from Agilent.

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#### Mass Spectrometer

Mode (standard)	EI
Modes (optional)	PCI, NCI, EI with CI source
Ion source type	Noncoated inert EI source
Mass filter	Monolithic hyperbolic quadrupole
Maximum mass	1050 u
Detector	EM with replaceable horn
Scan rate (electronic)	Up to 10,000 amu/s
Pumping system	70 L/s or 262 L/s turbomolecular pump with 2.5 m <sup>3</sup> /h mechanical pump

#### Gas Chromatograph (6890N)

Injector	Split-splitless (standard), others available
Oven temperature	Ambient +4 °C– 450 °C
Oven ramps/plateaus	6/7
Electronic pneumatic control (EPC)	Auto pressure regulation for split/splitless, septum purge
Carrier gas control modes	Constant pressure and flow modes; pressure and flow programmable



## Data System

eMethods	Transfer methods between 5975 and 5973 Series MSDs
Simultaneous MS and GC	Four signals (up to two MS) detector data acquisitions
SIM/Scan	Automated SIM setup and synchronous SIM/scan operation
Application autotunes	One-click autotune for BFB, DFTPP
Spectral libraries (optional)	NIST, Wiley, Pfleger-Mauer Drug, Stan pesticide
Spectral and RTL databases (optional)	Pesticides and endocrine disrupters, volatiles, PCBs, toxicology, FAMEs, flavors, organotin compounds
21CFR11 Compliance	Optional software available

## Installation Checkout Specifications

El scan sensitivity	1- $\mu$ L injection of a 1-pg/ $\mu$ L OFN standard scanning from 50–300 u will give 100:1 S/N at nominal $m/z$ 272 ion.
PCI scan sensitivity	1- $\mu$ L injection of a 100-pg/ $\mu$ L BZP standard scanning from 80–230 u will give 125:1 S/N at nominal $m/z$ 183 ion.
NCI scan sensitivity	2- $\mu$ L injection of a 100-fg/ $\mu$ L OFN standard scanning from 50–300 u will give 300:1 S/N at nominal $m/z$ 272 ion

## Physical Requirements

Dimensions (GC/MS)	88 cm (w) $\times$ 56 cm (d) $\times$ 50 cm (h) Additional space should be added for the data system and printer.
Weight (GC/MS)	81 M or 96 kg (depending on configuration)

## For More Information

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