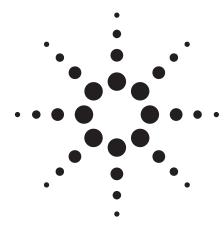
# Agilent 5975C TAD Series GC/MSD System

## **Data Sheet**





#### GC/MSD

The Agilent 5975C TAD Series Gas Chromatograph/Mass Selective Detector System offers high performance and flexibility with many options. The Mass Selective Detector can be combined with either the high-performance Agilent 7890A GC or the compact Agilent 6850 GC. Agilent 7693 Auto Liquid Sampler and other various GC samplers are available.

The MSD Productivity ChemStation software provides an extensive set of tools for all laboratories.

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#### **Mass Selective Detector**

Mode (standard) E

Modes (optional) PCI, NCI, and EI acquisition with CI source

El ion source type Noncoated inert El source

Ion source temperature 150–350 °C Quadrupole temperature 106–200 °C

Mass filter Monolithic hyperbolic quadrupole

Minimum mass 1.6 u Maximum mass 1050 u

Mass axis stability Better than 0.10 u/48 h

Detector Triple-Axis Detector with long life EM

#### **Gas Chromatograph**

Gas chromatograph Agilent 7890A, 6850, or 6890GC Systems

Autosampler Agilent 7693, 7683, G2880A (6850 GC only) CombiPAL, 7697

or G1888A and so forth

Oven temperature Ambient +4 - 450 °C (6890 and 7890A GC)

Ambient +5 - 350 °C (6850)

Oven ramps/plateaus 6/7 for 6850 and 6890

20/21 for 7890A GC with negative ramps allowed

Retention-time locking RTL-ready



**Data System** 

Software Agilent MSD Productivity

ChemStation

MassHunter software for data

analysis (optional)

Simultaneous MS and GC Four signals of GC detector data

and up to two MS (SIM scan)

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/NIST, Pfleger-Mauer

Drug, Stan Pesticide

Spectral DRS and RTL Pesticides and endocrine disrupter

databases (optional), volatiles, PCBs, toxicology, hazardous chemicals, indoor air toxics, Japan Positive List, forensic toxicology, environment semi-volatiles. Solvents Flv and user contributed

libraries

21CFR11 Compliance Optional G1732BA MSD Security

ChemStation available

Multivariate analysis Optional Mass Profiler

Professional available

### **Installation Checkout Specifications**

El scan S/N **600:1** S/N for turbo molecular

pump system and **200:1** S/N for diffusion pump systemwill be given by 1- $\mu$ L injection of 1- $pg/\mu$ L (100:1 for 6850/5975C bundle) OFN¹ standard scanning from 50 to 300 u at

nominal 272 u ion.

PCI scan S/N (Methane) 125:1 S/N will be given by 1-µL

injection of 100-pg/ $\mu$ L BZP<sup>2</sup> standard scanning from 80 to 230 u at

nominal 183 u ion.

NCI scan S/N (Methane) **600:1** S/N will be given by 2-µL

injection of 100 fg/ $\mu$ L OFN standard scanning from 50 to 300 u at

nominal 272 u ion

# Physical Requirements with the Agilent 7890A or 6850 GC

Dimensions (GC/MS) 88 cm (w), 60 cm (w) for  $6850 \times$ 

 $56 \text{ cm (d)} \times 50 \text{ cm (h)}$ 

Additional space should be added for the auto injector, sample tray,

data system and printer.

Weight (GC/MS) 81 to 96 kg (depending on

configuration)

<sup>1</sup>Octafluoronaphthalene

<sup>2</sup>Benzophenone

#### For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.

See the 5975 page at

http://www.chem.agilent.com/Scripts/PDS.asp?IPage=34426 for further information and typical product testing videos.

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