



MultiplelabsTM

Turnkey Laboratories Solutions



Analytical[®]

Technologies Limited

GC-MS-3068

Gas Chromatograph

Mass Spectrometer

- High performance, high reliability
- Low cost for customers of all types
- Holding multiple patents



Analytical Technologies Limited
www.analyticalgroup.net

GC-MS-3068

Gas Chromatograph - Mass Spectrometer 3068
GCMS 3068 -- High performance-to-price ratio



Cost-effective GC-MS solution with top performance:



GC-MS-3068 Gas Chromatography Mass Spectrometer (GC-MS) system is widely used in industrial inspection, food processing, environmental protection and pharmaceutical industries. Cost effective and reliable design manufactured to the highest standards. Chem Analyst I workstation software simplifies all operation procedures and controls the auto-sample, gas chromatography and mass spectrometer.

Features:

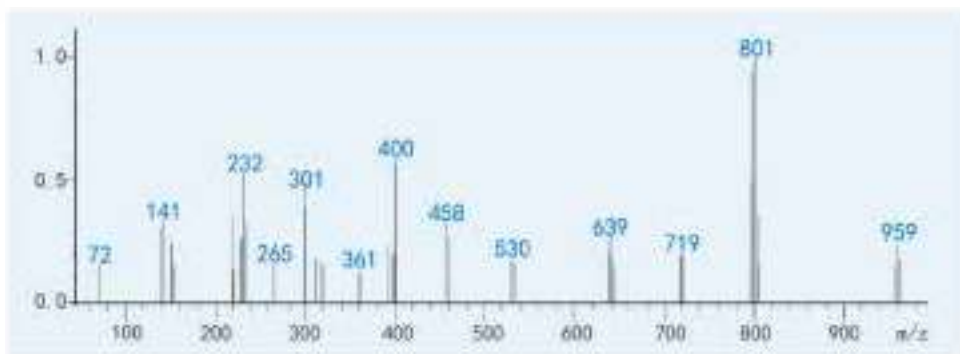
- Electronic pressureflow control system (EPC/EFC) with EI filament for high electron emission efficiency.
- Quadrupole with pre-filter and high energy dynode electron multiplier.
- Reliable Vacuum system with turbo molecular pump.
- Real-time vacuum monitoring with vacuum gauge.
- Digital RF Technology ensures better sensitivity and resolution in full mass range.
- The "ChemAnalyst" software controls auto sampler, GC and MS.
- Full scan (SCAN) and selective ion monitoring (SIM) modes.
- Quick display of total ion current (TIC) and mass spectrogram
- Accurate qualitative analysis with Analytical NIST spectrum dt

Applications:

- Industrial: textile, electronics, plastics and cosmetics
- Food safety: pesticides, fragrances, additives and food packaging
- Environmental protection: air, water, soil and waste
- Pharmaceutical industry: pharmaceutical and drugs
- Petrochemical industry: refinery, chemical plants
- Public security: explosives, drugs and evidence

Advanced Software:

- Fully automatic GC-MS Software controls auto sampler (AS), gas chromatograph (GC) and mass spectrometer (MS)
- Full Scan and selective Ion Monitoring (SIM) modes.
- Manual and automatic tuning, display of total ion current (TIC) and mass chromatogram (MC)
- Complete NIST Database including retention times, structural formula and standard mass spectra,
- Accurate qualitative and quantitative analysis and fast data processing



Mass spectrum of deca polybrominated biphenyl ethers

GC Specifications:-

Inlet temperature	Max. 450°C
Pressure range	0~100psi, ±0.002psi
Pressure control mode	Electronic pressure control (EPC), support CV and CC
Split mode	Split/splitless, max. split ratio: 1000:1
Column oven working temperature	Room temperature +4°C~450°C
Heating rate	Up to 120°C/min
Temperature programming	7 stages/8 platforms
Auto sampler	Optional

MS Specifications:-

EI source ionization energy	5eV~250eV (Adjustable)
Mass range	1.5~1000amu
Resolution	Unit resolution (Full width at half maximum)
Ion source temperature	100~350°C
Filament emission current	0-350µA
GC-MS Interface temperature	Max. 450°C
Stability	±0.10 amu/48hrs
Sensitivity	Full scan, 1pg OFN at m/z 272 with S/N >30:1 (RMS)
Scan rate	Up to 10000 amu/s
Vacuum	Turbo molecular pump (67L/s)
Detector	High energy dynode electron multiplier

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility



Analytical
Foundation

Analytical Foundation is a nonprofit organization (NGO) founded for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various fields of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and bodies by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.

▶▶▶ Reach us @



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