

EI-HTOF MS for GC Application

High resolution Time-of-Flight Mass Spectrometer for gas chromatography applications.



Advantages

- Electron impact ionization low-pressure interface
- TOF-MS greatly increases chemical information compared to quadrupole MS for gas chromatography studies
- Heated capillary transfer inlet
- Ideal for field-portable and laboratory applications demanding high mass accuracy and resolving power
- Compatible with Aerodyne Fast GC and TAG aerosol collector module.

Aerodyne specializes in collaboration and custom design. Please contact us if you would like to discuss additional measurement options and applications.

Performance Specifications

- Mass Range: up to 4000 Th
- Mass Resolving Power: 3000 - 7000 $M/\Delta M$, FWHM
- Mass Accuracy: 4 ppm (Octafluoronaphthalene, OFN)

	Spectral Save Rate & Other Specs
Burst	up to 40,000 spectra/s
Continuous	up to 2,000 spectra/s
Intensity Dynamic Range	6 orders of magnitude in 10 ms
Mass of Analyzer	12 kg
Mass of Power Supply	19 kg
Dimensions	665 mm x 250 mm x 102 mm
Power	Approximately 500 W