

Gas Chromatography

Specifications:

Detectors - DynaMax XR detection system, with off-axis 10kV dynode, discrete dynode electron multiplier and electrometer, linear from 0 to 68 μ A

Electron Energy - Adjustable from 0 to 150eV

Emission Current - Up to 350 μ A

Mass Filter Dual-stage mass filter with off-axis ion guide pre-filter for noise reduction and solid, homogeneous non-coated, maintenance-free quadrupole rods. Independently heated zones for: transfer line, ion source, and ion optics/mass analyser. Fast quadrupole scanning in FS mode, up to 20,000 μ /s

Modes - Electron Impact Ionization (EI), with full scan (FS), SIM, and FS/SIM simultaneous within sample injection. Timed acquisition (t-SIM) mode

Pumping Systems - Extended capacity (300L/s) turbomolecular pump. Mechanical rotary vane 3.3 m³/h oil pump.

Reagent Gas - Software-switchable dual reagent gas with digital flow control. Ammonia, methane, isobutane and CO₂ presets

Source Type - ExtractaBrite off-axis ion source, with repeller, source lenses, RF lens and dual filaments in all ionization modes, programmable to 350°C

Transfer Line Temperature - Up to 400°C