



M7

SINGLE QUADRUPOLE GC-MS



M7 Single Quadrupole GCMS

Specifications

Item	Specification
GC&MS Interface	Capillary direct interface, independent temperature control, 50-300 °C
Filament	Dual for EI, maximum emitting current 300uA
Ionization Energy	10-100eV adjustable
Ion Source Temperature	Independent temperature control, maximum 350°C, adjustable
Mass Analyzer	High precision metal Molybdenum Quadrupole with pre-quadrupole
Backing Pump	Mechanical pump, geometric pumping speed 165L/min
Turbo Pump	Turbo molecular pump, pumping speed 71L/s, 260L/s optional
Detector	Electron multiplier
Mass Range	1.5-1050 u
Mass Accuracy	±0.1u
Resolution(R)	Unit mass resolution
Signal to Noise Ratio (EI)	1pg OFN full scanning, ≥150:1 RMS at m/z 272
	100fg OFN selective ion scanning, ≥150:1 RMS at m/z 272
Mass stability	±0.1u/48h
Maximum Scanning Speed	11000u/s



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