

Dual Chromatography GC/LC/MS Configuration

Module	Description
GC/LC/MS	Dual Chromatography GC/LC/MS Configuration structure which allows alternating analyses (injections) in GC/MS or LC/MS modes without system modifications



CI-Standard	CI device CI-ionisation box movable into EI ion source via DIP inlet port for GC/MS and CI/DCI operation, shut-off and regulation valve for reagent gas
DEI/DCI	DEI/DCI sample introduction Software controlled DCI/DEI inlet probe for the direct analysis of thermolabile/polar substances, temperature range from 20°C -1000 °C
GC-MS	GC-MS Interface , Temperature up to 300 °C
Transfer	AMD UDIC ion optics (Unique Dual Ionization Configuration) with AMD MICS extension in special „in-axis“ configuration for two ionization modes. Alternatively: API, LSIMS, extended CI/DCI or FD/FI form with the standard EI source a system for simultaneous or alternating recording of ions from two independent ion sources.
API-UDIC	API interface in AMD UDIC (Unique Dual Ionization Configuration) „in-axis“ configuration for alternating or simultaneous recording of ions from EI and API ion sources, API housing with counter-electrode, corona needle for calibration and testing, nozzle, lens, skimmer stage with forepump, ion guide quadrupole with turbopump
ESI	Electrospray-Ionization (ESI) Module for LC/MS Coupling and Direct Infusion, flow rates 5 - 100 µl/min, split for higher flow rates
APCI	Atmospheric Pressure Chemical Ionization Module for LC/MS Coupling for flow rates up to 300 µl/min, split for higher flow rates