

## 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	<b>CI device</b> <b>CI-ionisation box</b> movable into <b>EI</b> ion source via DIP inlet port for <b>GC/MS and CI/DCI</b> operation, shut-off and regulation valve for reagent gas
DEI/DCI	<b>DEI/DCI sample introduction</b> Software controlled DCI/DEI inlet probe for the direct analysis of thermolabile/polar substances, temperature range from 20°C -1000 °C
GC-MS	<b>GC-MS Interface</b> , Temperature up to 300 °C
Transfer	<b>AMD UDIC ion optics</b> (Unique Dual Ionization Configuration) with <b>AMD MICS extension</b> 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 <b>simultaneous or alternating recording of ions from two independent ion sources.</b>
API-UDIC	<b>API interface in AMD UDIC (Unique Dual Ionization Configuration) „in-axis“ configuration</b> for <b>alternating or simultaneous</b> recording of ions from <b>EI and API</b> 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	<b>Electrospray-Ionization (ESI) Module</b> for LC/MS Coupling and Direct Infusion, flow rates 5 - 100 µl/min, split for higher flow rates
APCI	<b>Atmospheric Pressure Chemical Ionization</b> Module for LC/MS Coupling for flow rates up to 300 µl/min, split for higher flow rates