



GA2100 Electrospray Ionization High Performance Ion Mobility Spectrometer

- Self-contained high performance ion mobility spectrometer
- Provides rapid, high resolution separation and detection in seconds.
- Touchscreen interface and compact design for transport in a mobile lab or manufacturing facility.
- Changeable ion sources for versatile analysis of solids, liquids and gases.



Simultaneous separation & detection with GA2100 – Rapid ion mobility analysis

GA2100 is the world's first commercially available HPIMS system. Combining electrospray ionization (ESI) with our patented high resolution ion mobility spectrometer (HPIMS), the GA2100 can deliver HPLC-comparable performance with faster speed and lower operational cost. HPIMS eliminates the use of organic solvents, reducing the associated cost of disposal and making it a green technology. ESI-HPIMS is capable of analyzing a wide range of compounds including isomers

and those that are chromatographically sensitive or lack a UV chromophore.

Changeable ion sources add versatility to HPIMS analysis. Liquid samples are ionized by electrospray, either as a single injection or in a continuous stream from an autosampler or flow cell. A thermal desorber introduces both solid and gaseous samples into the analyzer. The GA2100 is ideal for applications that require speed, specificity, and sensitivity.

Chemicals	Pharmaceuticals	Food & Drug Safety
Surfactants	Cleaning Verification	Contamination
Explosives	Dissolution	Pesticides
Isomeric Compounds	Reaction Monitoring	Dyes, Flavours, Fragrances

