

Headspace Sampler (7697A) Gas Chromatography/ Mass Spectrometry model Agilent 7890B/5977 Series



Mass Spectrometry

- single quadrupole mass selective detector
- Electron ionization (EI) /Inert
- NIST Mass Spectral Library

Gas Chromatography

- Inlets: standard and inert flow path Split/Splitless capillary inlets.
- Column oven : ambient temperature +4 °C up to 450 °C.
- Flam ionization detector (FID) that responds to most organic compound.

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Headspace Sampler

- A technique for analyzing volatile organic compounds.
- The analyte of interest is volatile at temperatures from ambient +5 °C up to 300 °C.
- The sample matrix is a solid, paste, or a liquid that is not easy to inject into a GC inlet.