

## Ion trap Mass Spectrometer VARIAN MS240

### Application:

Analysis of environmental pollutants (greenhouse gases, chlorofluorocarbons, volatile organic compounds, polycyclic aromatic hydrocarbons, transformer oils, pesticides, etc.).

Monitoring of biochemical processes in obtaining biofuels (determination of methane, volatile fatty acids, organic alcohols, phenols, etc.).



### Functional parameters:

- Atomic mass range: 10-1000 units in step of 0.1 units;
- Resolution: 1 mass unit for the entire mass range;
- Ionization technique: Electron Impact (internal ionization) with internal source;
- Fitted with high sensitivity electron multiplication detector;
- Operating modes: Full scan; Selected Ion Monitoring (SIM);
- Uses Helium as carrier gas;
- Enables heating up of GC/MS interface separately from ionization source;
- Enables up-grade for multiple fragmentation MS/MS, chemical ionization, electron impact ionization with external source;
- Includes software for GC, MS, auto-sampler, data acquisition, data processing and transfer;
- Included spectrum library; Possibility for searching in spectrum library;
- Equipped with oxygen and humidity filters.