

## Gas chromatograph with FID/TCD/MS

### Description/Parameters

The gas chromatograph with FID/TCD/MS is a device for the separation and analysis of liquid samples by mass spectrometry. The mass spectrometer is a simple quadrupole that in combination with the NIST library allows the analysis and identification of unknown substances. With selected ion monitoring (SIM mode) even very low concentrations of e.g. polycyclic aromatic hydrocarbons (PAHs) can be identified. The chromatograph is equipped with an autosampler for 16 samples.

### Utilization/Services

Gas chromatograph with FID/TCD/MS for the analysis of liquid hydrocarbons.

- Polycyclic aromatic hydrocarbons (PAHs).
- Identification of unknown organic substances.
- Spitless injection is possible.
- The quadrupole makes it impossible to distinguish isomers with the same molecular weight.

