

## COMPACT AND TRANSPORTABLE GPC/SEC

*With UV detection*



### Applications

- GPC / THF - analysis of aromatics in oils (petroleum application)
- GPC / THF - analysis of S8 (natural gas condensate)
- GPC - aqueous for analysis of very large polymers
- HPLC - analysis of ketones and aldehydes in the air with trapping on DNPH
- HPLC or UHPLC - analysis of PAHs in air or water
- HPLC - analysis of pesticides in water

**Chromatotec® specializes in VOC, sulfur and permanent gas analysis at trace and ultra-trace levels (ppm, ppb, ppt).**  
*Please visit our website for more details.*

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# Compact and transportable GPC/SEC



## Principle

GPC/SEC allows the fast, simple, and precise determination of macromolecular properties with just one easy measurement. A single GPC/SEC experiment provides a complete view of the characteristics of the properties offering a chemical fingerprint which characterize sample to analyze. These are directly related to macroscopic characteristics of the product, as they depend on the physical (molar mass) and chemical (composition) heterogeneity of the macromolecule.

The transportable version of GPC developed by Chromatotec integrates is hosted into 2 interconnected robust shock-proof portables cases: one for analytical device, the second one for control of the system. New transportable liquid chromatograph enables to analyze hydrocarbons profiles at a glance.

Operator can analyze 8 liquid samples thanks to internal carousel.

The system allows to tune specific detector wavelength and columns to adapt lab technology approach into field operational unit. Handle and light cases allow easy transport as checked baggage.

For sampling a dispenser is used; liquid is sucked through the electric 10 multi valve and injection loop valve. Sample or standard and cleaner liquid can be injected in vials.

The system provided by Chromatotec allows to provide reliable results with complex samples ( with different viscosities ) as Oils in allocation meter approach

This GPC analysis is controlled by Vistachrom, software developed by Chromatotec.

## Product technical specifications

### Sampling :

- Sampling loop: 0.1µL or 0.06µL
- Sampling flow: 0.2mL/min
- Dispenser for sample suction

### Detector :

- 2µL
- UV 254 nm for aromatics
- HPLC detectors 2µlitres

- Analytical column : One short column Multibed
- Mobile phase : THF (without stabilizer)

### Power :

- Power supply: 115 or 220 VAC
- Power consumption: 130 VA

### Dimensions and weight:

- Analytical suitcase : 23kg - 482,6 x 660 x 220mm
- Control suitcase : 18Kg - **DIMENSIONS**

## Options:

- XXX

### Name:

GPC

### Model:

L10022

*Chromatotec® is continuously improving its products, therefore these specifications are subject to change without notice*

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