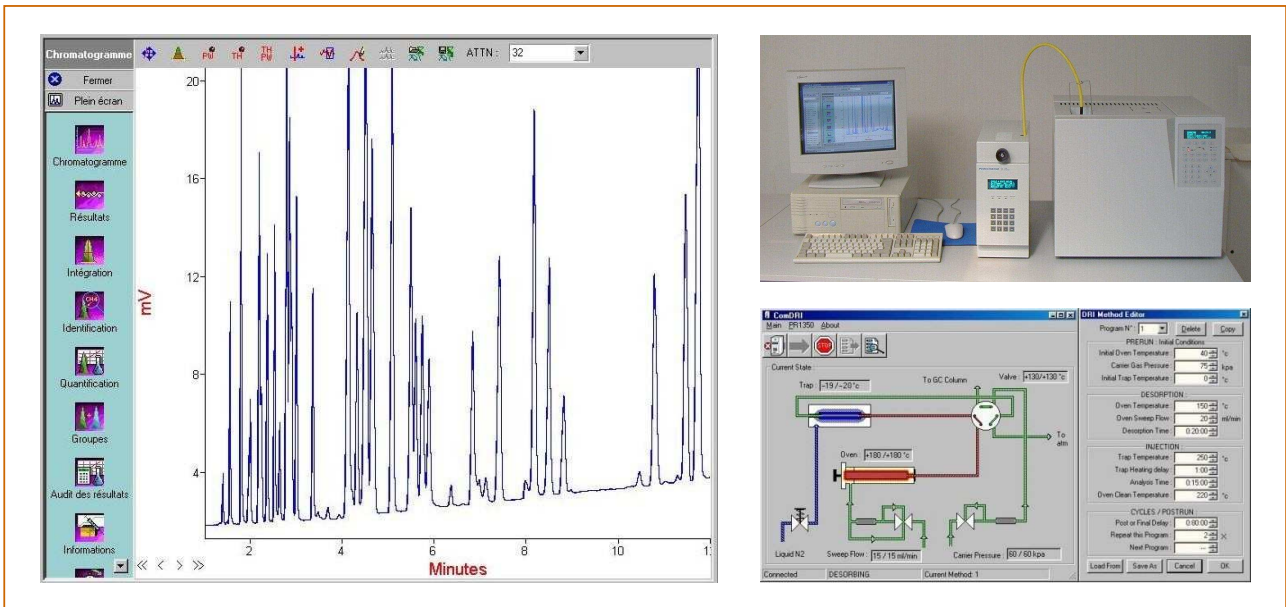




PR 1350

■ *Thermal Desorber*



▼ *Direct analysis
of the volatile components.* ▼

FOR ANY SAMPLE
SOLID
LIQUID
GAS

- Heated transfer line.
- Completely PC controlled.
- Numerous applications.

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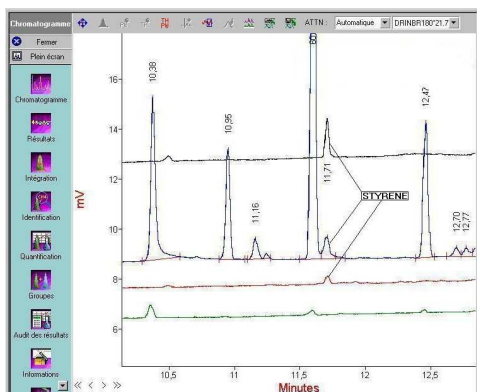
PR 1350

PR 1350 description

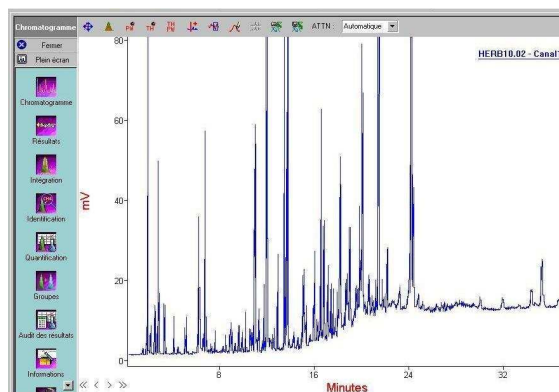
The thermal desorber PR 1350 allows the injection at the head of the column of compounds beforehand desorbed from a solid or liquid matrix. The desorption temperature can achieve 250°C without memory effect. An adapter is foreseen to allow the injection of an internal standard. Desorbed components are pulled by an inert gas towards a trap containing an adsorbant and cooled (liquid nitrogen or CO₂) to allow the trapping and the concentration of the most volatile compounds. It is possible to program several desorptions of the same sample as well as purge cycles. The device also applies to atmospheres analyses (premises, industrial sites) by passage of a known gas volume.

The thermal desorber PR 1350 is based on a cylindrical desorption oven (13 mm diameter and 115 mm length) connected to the trap via a commutation valve. An electronic module ensures process control, gas controls as well as numerous temperature controls (oven, sampling valve, traps). The PR 1350 is completely PC controlled, however the built-in screen and keyboard allow direct control.

Examples of applications



Dosages of styrene resulting from solid matrices.



Desorption of a plant sample.

Remark: the chromatogram presented on the front page results from the desorption of a volatile organic compounds mixture (VOC).

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