

chromaPID

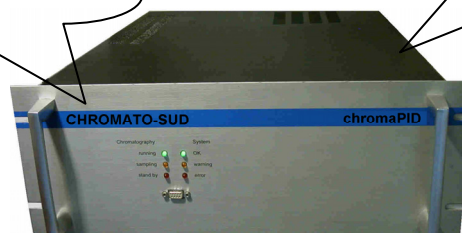
A GC PID for automatic monitoring of compounds,
Loop injection :ppb level
in air, water or soils.

Environment

Indoor measurements
H₂S analysis with portable unit
Out of plant

Toxicity

Ethylenoxyde, Benzene,
1,3-butadiene, Chlorocompounds



Process

Industrial hygiene
Fence line
Ethylene /Ethene in green house

Principle of the chromaPID

- This instrument uses a port valve with a **loop**, and a metallic column.
- It has a minimum detection level of **ppb**.
- Miniaturization, sensitivity, mobility and flexibility are its main features. Everything from the sample port up to the data storage is integrated in a **19"-rack 4U**.
- **Isothermal oven** in standard (programmed gradient temperature in option) : pressure/flow control of the carrier gas by the-valve.
- **Before final delivery the analyser is tested for one week by the quality control department.**
- Photo ionisation detector (**PID**), 10,6 eV lamp in standard. Other lamps on request.
- **Self-cleaning of the lamp for high stability.**
- 0....1 V analogue output (contact) for the purpose of low or high alarms on the concentrations of the analysed compounds.
- Bi-directionnal RS-232 to transfer data and results to the computer.
- The Vistachrom software enables the user to view and store data on a PC. It provides comfortable user friendly utilities to recalculate, calibrate and export data and to configure the measurement.
- The software allows the calculation of retention time, area, mass or concentration profiles, in any international measuring unit.

Options :

On-line results are transmitted via :

- A MODBUS / JBUS or German communication protocol.
- Analog output 4-20 mA or 0-10 V.
- **Automatic** validation
- 24 V power supply.
- Nitrogen or air generator
- **CALIB** : Automatic data validation with internal calibration using a permeation tube
- H₂S with transportable system



Chromatotec is specialised in VOC, sulphur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt).
Feel free to visit our web site for more details :
<http://www.chromatotec.com>
Printed matter reference : tsp_c91_003e_chromapid_080916_w.doc

Ethylenoxyde

Benzene

Toluene

Ethylbenzene

Ethylene

Xylene (o,m,p)

Chlorocompounds
1,3-butadiene optional