

# CHROMA<sup>CO</sup>

A gas analyser using flame detection with a catalytic methaniser module to analyse CO/CH<sub>4</sub> and CO<sub>2</sub> for air or gas monitoring

A 19" inch rack mountable chassis, 5U high. It has the ability to be used as a fully integrated system for automatic sample analysis as well as a transportable unit for use on various sites.

Our application flexibility allows the chromaCO start up to meet the customer's specifications.

CH<sub>4</sub>

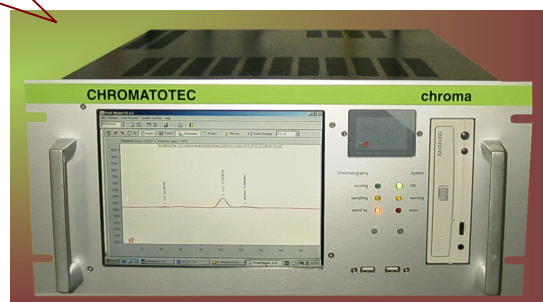
CO

Industrial hygiene

Process follow-up

Environment

Emissions



Integrated computer version (5U high) : C11022

## Principle :

The **CHROMA<sup>CO</sup>** is an **isothermal industrial gas chromatograph** (isothermal column) dedicated to the analysis of CO/CO<sub>2</sub>/CH<sub>4</sub>/HCHO in air or industrial hygiene or pure gas like N<sub>2</sub>.

As a fully automatic instrument, it allows **unattended operation for commissioning 24/24**. The injection is made via a heated valve. CO CH<sub>4</sub> CO<sub>2</sub> are separated by the column and hydrogenated in CH<sub>4</sub>.

- ⇒ A valve regulates carrier gas.
- ⇒ The instrument has a flame ionization detector .
- ⇒ The detection limit is less than 50 PPB .
- ⇒ It is equipped with an internal microprocessor which runs all the analytical events (temperature, pressure injection, detection and concentration calculations).

The Vistachrom software enables the user to visualize and store data on a computer. Furthermore it provides comfortable utilities to recalculate, calibrate and export data and to set-up measurement.

The airmo TREND software allows the calculation of retention time, area, mass or concentration profiles. **CALCULATION AVERAGE can be made for better precision**



## Some applications:

- CO/CH<sub>4</sub> and CO<sub>2</sub> in ambient air.
- Toxic compounds monitoring : **HCHO** and **acetaldehyde**
- Methan/CO/CO<sub>2</sub> in pure gas
- Monitoring of CO in N<sub>2</sub>O
- Quality control of manufacturing process.

## Options :

On-line results are transmitted via :

- A Modbus / Jbus or BH protocol.
- Analog output 4-20 mA or 0-10 V.
- **Automatic validation**
- **Adaptation of a purified air generator (air without VOC).**
- **Oven gradient temperature**
- 24 V power supply.
- Multiple stream selector (2 to 6)
- Pressurised housing like **Exp** for installation in the area 1..
- Available in version integrated computer – 5U -(including ref. XXX022 Electronic and LCD display).
- Gas generator H<sub>2</sub>/air/N<sub>2</sub>

HCHO

CO<sub>2</sub>

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>