VOC

NMTHC

CH4

∞

C2H6

Formaldehyde

THC

CO2

Gas Analyser GC866

airmoTHC : A2400 or A24022
CH$_4$ and **N**on **M**ethane **T**otal **H**ydro **C**arbon
NMTHC
A gas analyser for Hydrocarbon and VOC
with **flame ionization detection**

ppb

A24

ppm

VOC / UHC
Industrial Hygiene
Process Follow Up
Emissions

ppb

Pure gas (electronic or gas speciality)
Ambiant air monitoring

- **Principle :**

It is **an automated isothermal industrial gas chromatograph** dedicated to the analysis of volatile organic compound in air (indoor, outdoor, combustion), industrial hygiene, pure gas like N2/CO2/O2.

As a fully automatic instrument, he allows **un-attended operation the commissioning 24/24.**

⇒ The injection is made via a loop and heated valve.

⇒ Trap for concentration of NMTHC in ppb application

⇒ The separation between CH4 and NMTHC is achieved using a trap back flush with thermodesorption.

⇒ **No oxygen effect**

Synergism occurs.

⇒ A valve regulates carrier gas (hydrogen or Nitrogen or air). The retention time drift is less than 0,3%.

⇒ The instrument has a flame ionization detector (**FID**) **heated at 150°C.**

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 airmoTREND software allows the calculation of retention time, area, mass or concentration profiles.

Applications examples ppm or ppb :

- Paint thinner analysis in air.
- Methane/Non Methane Total Hydrocarbon **(CH$_4$/NMTHC)**
- Total Hydrocarbon**: THC** or **UHC + VOC**
- Control after filter

- **Options :**

➢ A MODBUS / JBUS or communication protocol.
➢ Analog output 4-20 mA or 0-10 V.
➢ **Automatic validation**
➢ **Adaptation of a purified air generator (air without VOC).**
➢ 24 V power supply.
➢ Pressurised housing **Exp** for area 1.
➢ Multiple stream selector (2 to 6)
➢ Hydrogen or N2 generator
➢ **Computer inside (5U) : A24022**
➢ **Heated line for industrial application**

CHROMATO-SUD   airmotec   MEDOR®   EPSILON