

Ethylene-Oxide

Methanol

Ethanol

Acetone

IPA

Acetaldehyde

1,3-Butadiène

# airmoOVOC

Analysis of light oxygenated VOC's in air or pure gas



Model: A13000 (5U) computer in option

## Environment:

Urban/Non urban area pollution control  
Indoor measurements  
PAMS /CE analysis  
Out of plant

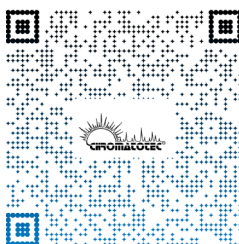
## Process:

Industrial Hygiene  
Fence line

## Toxicity:

VOC screening in food and beverage industry

SCAN or CLICK ME



Chromatotec® is specialized in VOC, Sulfur and permanent gases analysis at trace and ultra trace levels (ppm, ppb, ppt).  
Please visit our website for more details.

Updated: June2025

### Principle:

This instrument uses a 6-port valve with a single sorbent trap, and metallic capillary columns.

It has a minimum detection level of as low as 0.1 ppb in ambient air. The airmo OVOC uses a 3 phases trap for the analysis of light oxygenated VOCs.

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 5U.

Programmed gradient temperature of the oven and pressure/flow control of the carrier gas.

Before final delivery the analyser is tested for three weeks by the quality control department.

The Vistachrom software enables the user to view and store data on an industrial computer. 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.

Calib is a very important option for good result in ppb range, H<sub>2</sub> is necessary.

We use permeation tubes for calibration

### Product technical specifications:

#### Light VOC analysis:

- Methanol/Ethanol
- Ethylene-Oxide
- acetone
- IPA
- Acetaldehyde
- 1,3-Butadiène

#### Detection limit:

- Less than 0.1 ppb

#### Detection range:

- 0 - 100 ppb / amplification 3 in standard
- 0 - 1000 ppb
- 0 - 10 000 ppb

#### Relative Standard Deviation:

- < 0.3 % over 48h (RT)
- < 2 % over 48 h (Conc.)

#### Results:

- Data storage
- 4-20mA current output (option)
- MODBUS / JBUS or MGS1 communication protocol (option)

#### Cycle time:

- 30 min as standard

#### Gas supply:

- H<sub>2</sub> (FID): 30 ml/min
- Air (FID): 180 ml/min
- Carrier gas H<sub>2</sub>
- Air (FID): 180 ml/min (inlet 3 bars ; 1/8")
- Sample inlet (vacuum pump) 1/4"
- Pneumatic valve : 90ml/commutation

#### Sample volume:

- 20 to 240 ml (programmable) in standard

#### Power supply:

- Main: (230V / 115V 50 Hz/60Hz)
- Battery: 24V (option)

#### Electrical consumption:

- Mean: 180 VA, peak 400 VA

#### Dimensions and weight:

- Rack: 19" - (5U)
- Height: 222mm
- Width: 482mm
- Depth: 660mm
- Net weight: 20 Kg

[CLICK HERE FOR ADDITIONAL DIMENSIONS DETAILS](#)

### Options:

- MODBUS / JBUS or MGS1
- Analog output 4-20 mA or 0-10 V or alarms
- Automatic validation and calibration
- 24 V power supply
- Hydrogen and zero air generators for transportable analyzers
- Multiple Stream selector (2 to 6)
- Nitrogen generator

#### To order:

airmo OVOC (5U)  
Needs a supervisor  
Supervisor (5U)

#### Model:

A13000  
XXX022

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

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