

Butenes

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airmoVOC C₂C₆

Is designed for measurement of “light” hydrocarbons. It is used for the analysis of volatile hydrocarbon in the range of C₂ to C₆ i.e. from **Ethane through 1,3 Butadiene up to Benzene** (or other C₆ compounds).

Toxicity

Benzene, 1,3-butadiene
VOC screening of CO₂ quality for the food and beverage industry

Environment

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



• Principle :

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

It has a minimum detection level of as low as 15 ppt (for **1,3 Butadiene** for e.g.) in ambient air, and analyses up to 32 compounds during a single analysis.

The **airmo VOC C₂ – C₆** uses a **thermoelectric cooling** system to control the temperature of the sample trap when required, for example for the analysis of **Ethylene**.

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.

Programmed gradient temperature of the oven and pressure/flow control of the carrier gas by the **piezo-valve**. 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 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.

Process

Industrial Hygiene
Fence line
Acetaldehyde/benzene

• Options :

On-line results are transmitted via :

- A MODBUS / JBUS or MGS1 communication protocol.
- Analog output 4-20 mA or 0-10 V.
- **Automatic** validation / calibration
- 24 V power supply.
- Hydrogen and zero air generator for transportable analysers.
- Multiple Stream selector (2 to 6)

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_a11_011e_airmovocc2c6_041026_w.doc

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Acetylene

Ethane

1,3 butadiene

Pentenes