

airmoVOC C₆C₁₂

BTEX included

Analysis of up to 32 compounds from C₆ to C₁₂ and halogen compounds (TO14) or (PAMS).



Model: A21022

Environment:

Urban/Non urban area pollution control
Indoor measurements
BTEX / PAMS / CE analysis
Plant / process emissions

Process:

Industrial Hygiene
Fence line monitoring

Other applications:

Wastewater plant, Purge and trap (method 502-2 or 524), Ambient air control (PAMS and TO14)



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

Naphtalene

CHCL₃

Styrene

BTEX

CCL₄

Tri-methylbenzene

MTBE

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Analysis of up to 32 compounds from C₆ to C₁₂ and halogen compounds (TO14) or (PAMS).

Principle:

The airmoVOC C₆ to C₁₂ uses a valve with 1 sample trap, and a **metallic capillary column**.

- 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):

- Uninterrupted sampling with pre-concentration on 1 absorbent tube
- Gas chromatograph with 0.2 mm ID metallic column and programmable temperature gradient oven and pressure / flowcontrol of the carrier gas by piezo-valve

Before delivery the analyser is tested for one week by our quality control department. The Vistachrom software enables the user to visualize and store data on a PC. Furthermore it enables the user to recalculate, calibrate the instrument export data and to set-up measurement.

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

**For more information, consult our Case Study
Ambient air monitoring by FID detection**

Product technical specifications:

C₆ to C₁₂ analysis:

- C₆ (Hexane, Dimethylbutane) to C₁₀ (Diethylbenzene, Naphtalene) and dodecane

Detection limit:

- Tri-methylbenzene: 10 ppt or 0.05 µg/m³
- Benzene: 10 ppt in standard
1 ppt with airmoVOC Expert

Detection range:

- 0.05 to 400 µg/m³ for Tri-methylbenzene

Relative Standard Deviation:

- < 0.3 % over 48h (RT)
- < 3 % over 48 h (Conc.)

Results:

- Data storage
- MODBUS / JBUS communication protocol (option)

Cycle time:

- 15 min to 30 min.

Gas supply:

- H₂ (FID and carrier gas): 30 ml/min (inlet 2 bars; 1/16" swagelock)
- Air (FID): 180 ml/min (inlet 3 bars ; 1/8" swagelock)
- Sample inlet (vacuum pump) 1/4" swagelock

Sample volume:

- 30 to 700 ml (programmable)

Power supply:

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

Electrical consumption:

- Mean: 150 VA, Peak 360 VA

Dimensions and weight:

- Rack: 19" - (5U)
- Height: 222 mm
- Width: 482 mm
- Depth: 600 mm
- Net Weight: 22 kg



Options:

On-line results are transmitted via:

- MODBUS / JBUS or MGS1 communication protocol
- AirmoVOC Expert 1 ppt
- Automatic validation and calibration
- 24 V power supply
- Hydrogen and zero air generator for transportable analysers
- Multiplexer: 2 to 10

For ordering:

airmoVOC C₆C₁₂
5U inbuilt computer

Model:

A21022 MCERTS

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To contact us: info@chromatotec.com



NORTH AMERICA

CHROMATOTEC Inc.
18333 Egret Bay Blvd, Suite 270,
Houston TX 77058 - USA
Phone: +1 (281) 335 4944
Fax: +1 (281) 335 4943

EUROPE

AIRMOTEC AG SAS
15 rue d'Artiguelongue
33240 Saint-Antoine - FRANCE
Phone: +33 (0) 557 940 626
Fax: +33 (0) 557 940 620

ASIA

CHROMATOTEC Trading (Beijing) Co., Ltd.
Room 1806, Building 1,
Wanda Plaza, No.93, Jianguo Avenue,
Chaoyang District,
Beijing 100022 - CHINA
Phone : +86 (0) 105 960 3283