Naphtalene

CHCL3

Tri-methylbenzene

MTBE



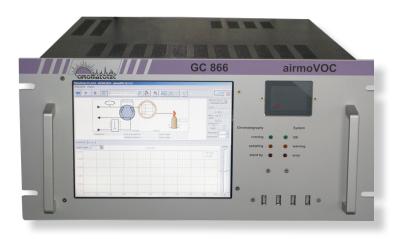
# **ONLINE ANALYZER SOLUTIONS EXPERTS**

GAS ANALYZER GC 866

# airmoVOC C6-C12

BTEX included

Analysis of up to 53 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



Certified

EN 14662-3 EN 15267-1 EN 15267-2 QAL1

SCAN or CLICK ME



# **Process:**

Industrial Hygiene Fence line monitoring



# Other applications:

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



Selected by US EPA



1996



2006



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.

Updated: October 2025

# airmoVOC C6-C12

BTEX included

Analysis of up to 53 compounds from C6 to C12 and halogen compounds (TO14) or (PAMS).



## **Principle:**

The airmoVOC C6-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 like:
airmOzone 88, airmOzone + DET QMS 96 from PAMS-TO14,
Car painting line, airmoTWA, airmoVOC BTEX

#### **Options:**

- On-line results are transmitted via: MODBUS / JBUS or MGS1 communication protocol
- AirmoVOC Expert 1 ppt
- · Automatic validation and calibration with internal CALIB
- 24 V power supply
- Hydrogen and zero air generator for transportable analysers
- · Multiplexer: 2 to 32
- Purge module to extract VOC from water for online VOC in water analysis
- Internal or external multipoint calibration and zero with CALIB MFC, XXXCYL MFC, airmoCAL MFC or airmoCAL D
- Up to C16 with airmoVOC C6C16

## **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 45 μg/m³ for Tri-methylbenzene and Benzene (A3)
- 0,50 to 400  $\mu g/m^3$  for Tri-methylbenzene and Benzene (A2)

Note: Be careful with total mass and mass by compounds.

Amplification 1: On demand to decrease the sampling volume.

### Relative Standard Deviation:

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

#### Results:

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

## Cycle time:

• 15 min, 30 min, 40 min, 60 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
- Pneumatic valve 90ml/commutation

# Sample volume:

• 30 to 700 ml (programmable) (Sampling time up to 40 minutes)

#### 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 mmDepth: 600 mm
- Net Weight: 22 kg



#### **CLICK HERE FOR ADDITIONAL DIMENSIONS DETAILS**

#### To order:

airmoVOC C6-C12 5U inbuilt computer airmoVOC C6-C12 XPERT Model: A21022

A23022

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

To contact us: sales@chromatotec.com

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