TSP A21



# **ONLINE ANALYZER SOLUTIONS EXPERTS**

GAS ANALYZER GC 866

airmoVOC C6-C12 BTEX included

Analysis of up to 53 compounds from

Naphtalene

CHCL3

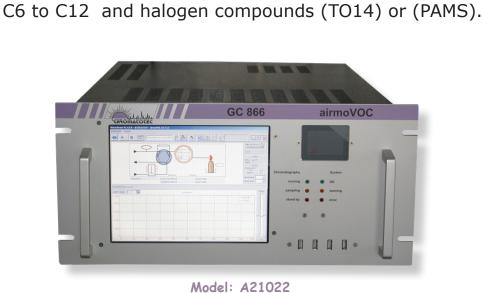
Styrene

BTEX





MTBE



Model: AZIUZZ

# 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), Ambiant air control (PAMS and TO14)







SCAN or CLICK ME

Selected by US EPA







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: March 2024

# WWW.CHROMATOTEC.COM

# 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 analvsis
- · 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/m<sup>3</sup>
- · Benzene: 10 ppt in standard
  - 1 ppt with airmoVOC Expert

#### Detection range

• 0.05 to 45 μg/m<sup>3</sup> for Tri-methylbenzene and Benzene - (A3) • 0,50 to 400 μg/m<sup>3</sup> 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 mm
- Depth: 600 mm
- Net Weight: 22 kg



To order: airmoVOC C6-C12 5U inbuilt computer

Model: A21022

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

## To contact us: sales@chromatotec.com

NORTH AMERICA Houston - USA

EUROPE Bordeaux - FRANCE <u>ASIA</u> Beijing - CHINA

# WWW.CHROMATOTEC.COM

